

Montana Water Supply Outlook Report June 1, 2009



Picture: Black Bear SNOTEL Site - Winter of 1997

Water Supply Outlook Report

and Federal - State - Private Cooperative Snow Surveys

For more water supply and resource management information, contact:

**Water Supply Specialist
Federal Building
10 East Babcock, Room 443
Bozeman, MT 59715
or
Phone 406-587-6991**

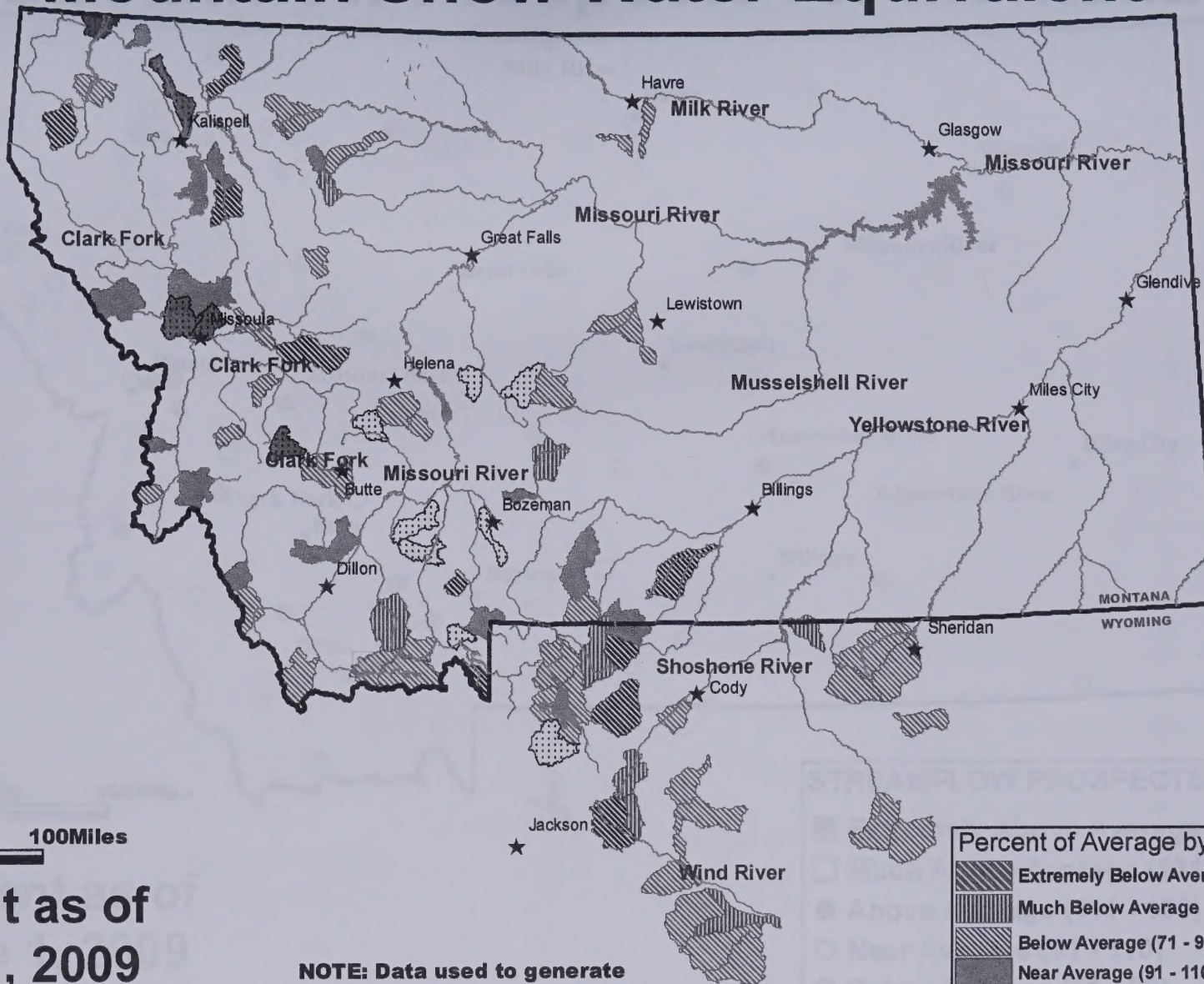
How forecasts are made

Most of the annual streamflow in the Western United States originates as snowfall that has accumulated high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are combined with snowpack data to prepare runoff forecasts. Streamflow forecasts are coordinated by Natural Resources Conservation Service and National Weather Service hydrologists. This report presents a comprehensive picture of water supply conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data, and narratives describing current conditions.

Snowpack data are obtained by using a combination of manual and automated SNOTEL measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation and temperature are monitored on a daily basis and transmitted via meteor burst telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

Forecast uncertainty originates from two sources: (1) uncertainty of future hydrologic and climatic conditions, and (2) error in the forecasting procedure. To express the uncertainty in the most probable forecast, four additional forecasts are provided. The actual streamflow can be expected to exceed the most probable forecast 50% of the time. Similarly, the actual streamflow volume can be expected to exceed the 90% forecast volume 90% of the time. The same is true for the 70%, 30%, and 10% forecasts. Generally, the 90% and 70% forecasts reflect drier than normal hydrologic and climatic conditions; the 30% and 10% forecasts reflect wetter than normal conditions. As the forecast season progresses, a greater portion of the future hydrologic and climatic uncertainty will become known and the additional forecasts will move closer to the most probable forecast.

Mountain Snow Water Equivalent



0 50 100 Miles

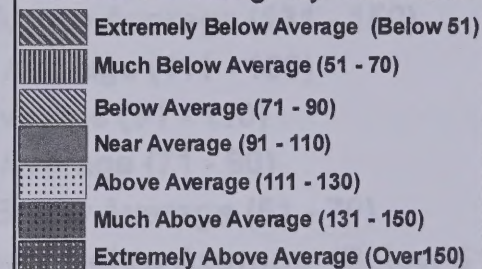
Current as of
June 1, 2009

NRCS Natural Resources
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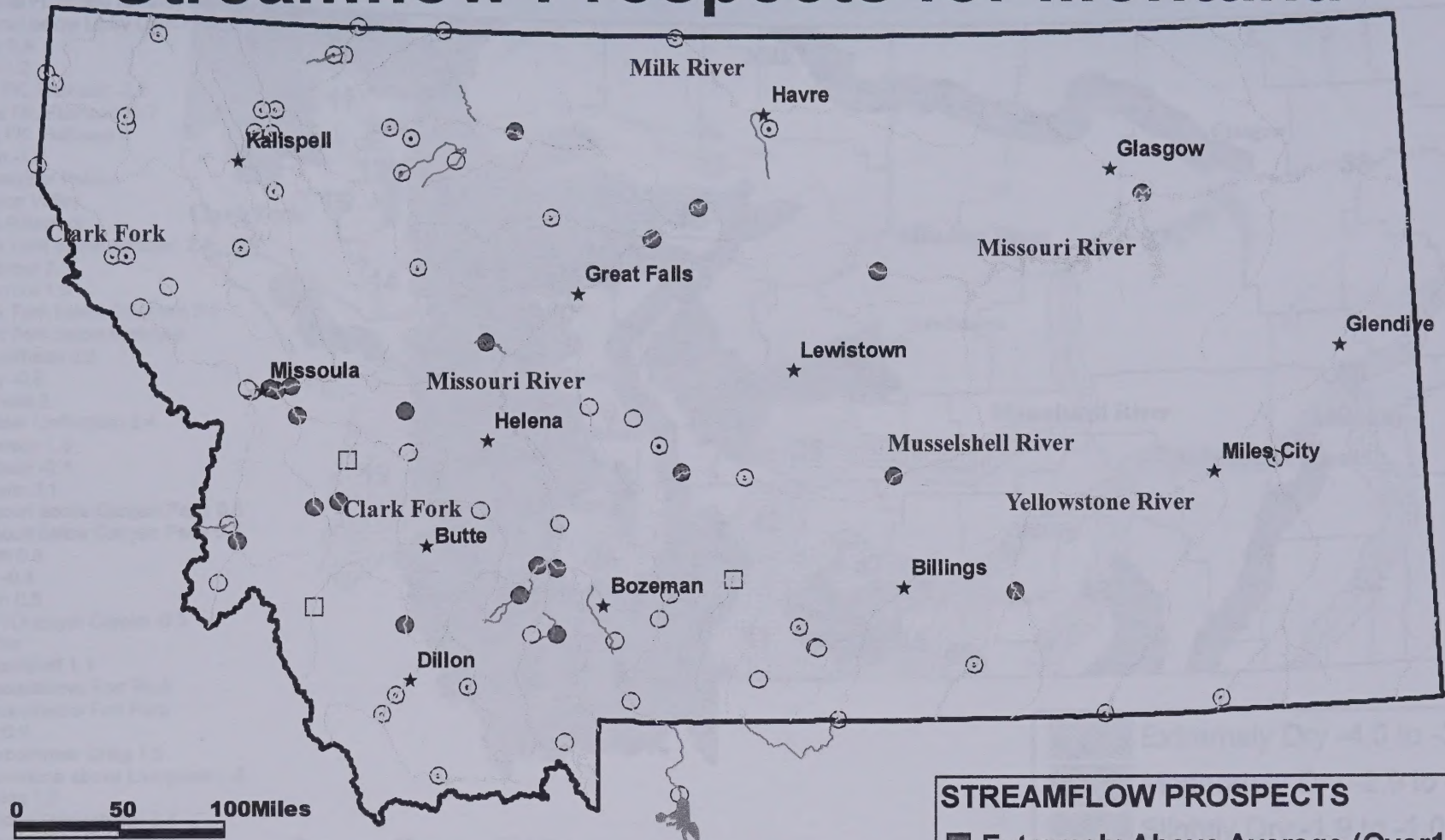
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**NOTE: Data used to generate
this map are PROVISIONAL and
SUBJECT TO CHANGE.**

Percent of Average by Sub-Basin



Streamflow Prospects for Montana



Current as of
June 1, 2009

STREAMFLOW PROSPECTS

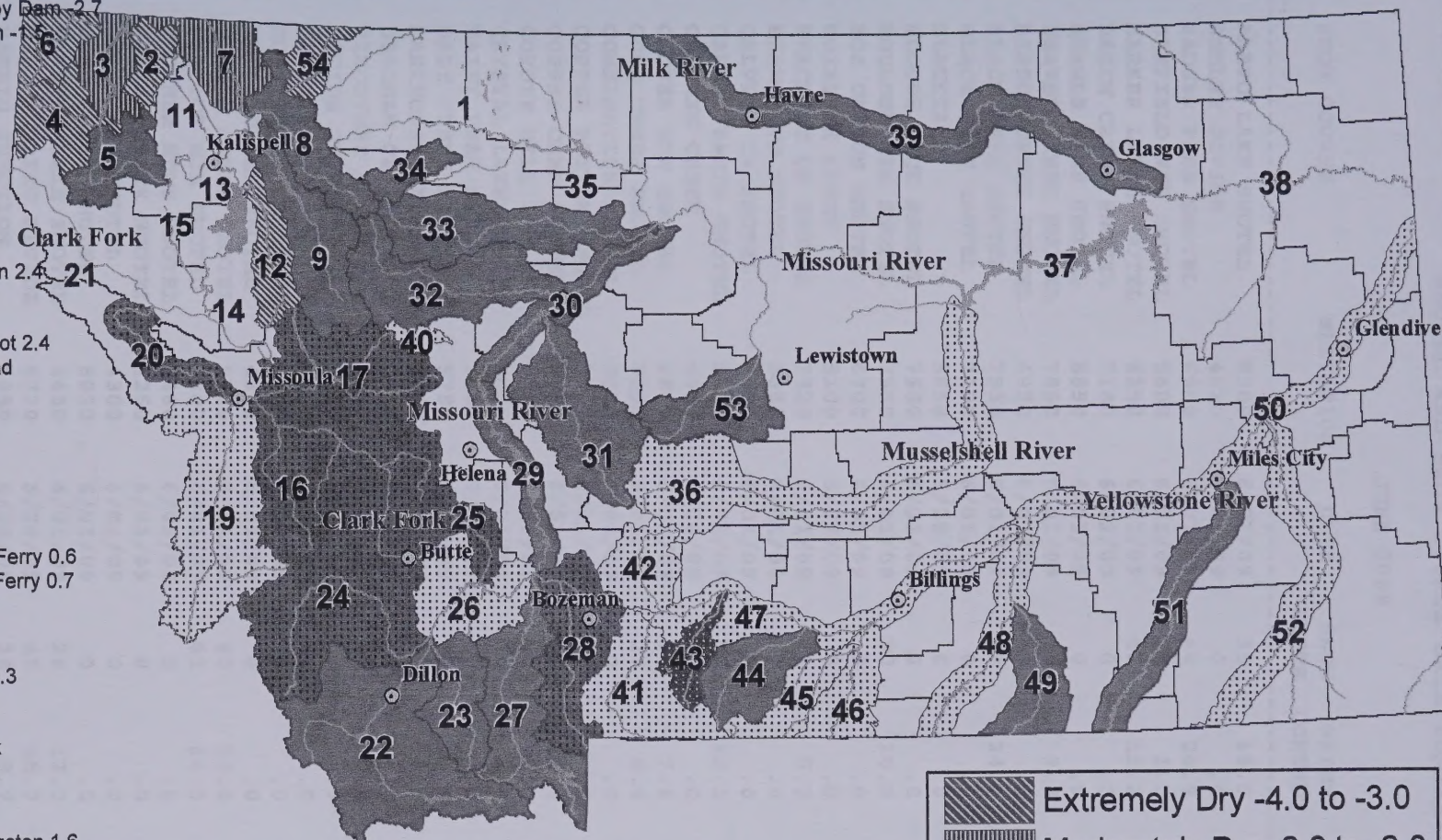
- Extremely Above Average (Over 150)
- Much Above Average (131 - 150)
- Above Average (111 - 130)
- Near Average (91 - 110)
- ⊙ Below Average (71 - 90)
- Much Below Average (51 - 70)
- ▲ Extremely Below Average (Below 51)

RIVER INDEX & SWSI VALUES

- 1 Marias above Tiber Reservoir
- 2 Tobacco -1.1
- 3 Kootenai Ft. Steele to Libby Dam -2.7
- 4 Kootenai below Libby Dam -
- 5 Fisher 0.8
- 6 Yaak -1.2
- 7 North FK. Flathead -2.5
- 8 Middle FK. Flathead -0.7
- 9 South FK. Flathead 0
- 12 Swan -1.2
- 13 Flathead at Polson
- 14 Mission Valley
- 15 Little Bitterroot
- 16 Clark Fork above Milltown 2.4
- 17 Blackfoot 2.3
- 19 Bitterroot 1.8
- 20 Clark Fork below Bitterroot 2.4
- 21 Clark Fork below Flathead
- 22 Beaverhead 0.2
- 23 Ruby -0.6
- 24 Big Hole 2
- 25 Boulder (Jefferson) 2.4
- 26 Jefferson 1.8
- 27 Madison -0.1
- 28 Gallatin 2.1
- 29 Missouri above Canyon Ferry 0.6
- 30 Missouri below Canyon Ferry 0.7
- 31 Smith 0.6
- 32 Sun -0.4
- 33 Teton 0.5
- 34 Birch/Dupuyer Creeks -0.3
- 35 Marias
- 36 Musselshell 1.1
- 37 Missouri above Fort Peck
- 38 Missouri below Fort Peck
- 39 Milk 0.9
- 40 Dearborn near Craig 1.5
- 41 Yellowstone above Livingston 1.6
- 42 Shields 1.9
- 43 Boulder (Yellowstone) 3.4
- 44 Stillwater 0.6
- 45 Rock/Red Lodge Creeks 1.2
- 46 Clarks Fork 1.5
- 47 Yellowstone above Bighorn 1.6
- 48 Bighorn below Bighorn Lake 1.3
- 49 Little Bighorn -0.6
- 50 Yellowstone below Bighorn 1.5
- 51 Tongue 0.1
- 52 Powder 1
- 53 Upper Judith River -0.2
- 54 Saint Mary River -1

Surface Water Supply Index (SWSI) Values

UNITED STATES DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE



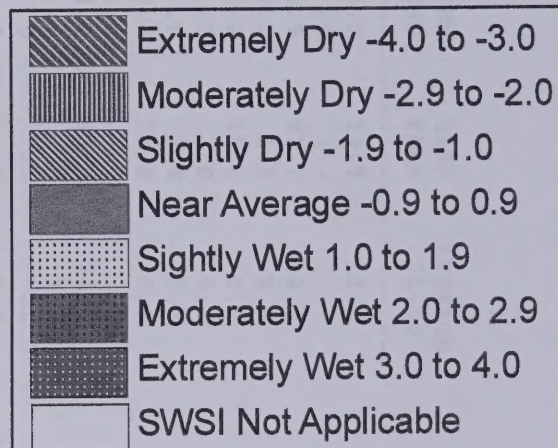
0 45 90 Miles

Current as of
June 1, 2009

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NRCS Natural Resources
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SNOTEL AND SNOW COURSE DATA SUMMARY

JUNE 2009

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
ALBRO LAKE SNOTEL	8300	6/01/09	35	15.0	19.7	13.4
ASHLEY DIVIDE	4820	5/28/09	0	.0	--	--
BADGER PASS SNOTEL	6900	6/01/09	44	20.9	41.7	22.9
BANFIELD MTN SNOTEL	5600	6/01/09	2	1.0	1.8	2.9
BARKER LAKES SNOTEL	8250	6/01/09	41	15.2	15.3	9.5
BASIN CREEK SNOTEL	7180	6/01/09	0	.0	.0	4.1
BEAGLE SPGS SNOTEL	8850	6/01/09	0	.0	1.8	1.4
BEAVER CREEK SNOTEL	7850	6/01/09	25	9.8	11.9	8.6
BISSON CREEK SNOTEL	4920	6/01/09	0	.0	.0	.0
BLACK BEAR SNOTEL	7950	6/01/09	48	24.0	43.8	26.1
BLACK PINE SNOTEL	7100	6/01/09	0	.0	.0	1.9
BLACKTAIL	5650	5/28/09	0	.0	--	--
BLOODY DICK SNOTEL	7550	6/01/09	0	.0	.0	1.0
BOULDER MTN SNOTEL	7950	6/01/09	30	10.9	17.6	9.2
BOX CANYON SNOTEL	6700	6/01/09	0	.0	.0	.0
BOXELDER CREEK	5100	5/27/09	0	.0	.0	.2
BRACKETT CR SNOTEL	7320	6/01/09	13	5.3	10.2	5.1
BURNT MTN SNOTEL	5880	6/01/09	0	.0	.0	.0
CALVERT CR SNOTEL	6430	6/01/09	0	.0	.0	.0
CARROT BASIN SNOTEL	9000	6/01/09	50	22.1	31.2	24.2
CHICKEN CREEK	4060	5/28/09	0	.0	4.2	.0
CLOVER MDW SNOTEL	8800	6/01/09	20	7.6	14.4	11.3
COLE CREEK SNOTEL	7850	6/01/09	27	9.4	14.8	11.0
COMBINATION SNOTEL	5600	6/01/09	0	.0	.0	.0
COPPER BOTTOM SNOTEL	5200	6/01/09	0	.0	.0	.0
COPPER CAMP SNOTEL	6950	6/01/09	36	16.4	38.7	--
COYOTE HILL	4200	5/27/09	0	.0	--	--
CRYSTAL LAKE SNOTEL	6050	6/01/09	0	.0	2.5	.7
DAISY PEAK SNOTEL	7600	6/01/09	0	.0	5.0	3.4
DALY CREEK SNOTEL	5780	6/01/09	0	.0	.0	.0
DARKHORSE LK. SNOTEL	8700	6/01/09	67	28.7	35.3	26.3
DEADMAN CR SNOTEL	6450	6/01/09	0	.0	.0	.0
DISCOVERY BASIN	7050	5/22/09	28	10.9	2.4	2.4
DIVIDE SNOTEL	7800	6/01/09	0	.0	.0	2.7
DIX HILL	6400	5/31/09	0	.0	.0	--
DUPUYER CREEK SNOTEL	5750	6/01/09	0	.0	.0	.4
EMERY CREEK SNOTEL	4350	6/01/09	0	.0	.0	.0
FISHER CREEK SNOTEL	9100	6/01/09	60	25.6	40.0	30.1
FLATTOP MTN SNOTEL	6300	6/01/09	61	26.9	43.2	36.5
FROHNER MDWS SNOTEL	6480	6/01/09	0	.0	.0	.7
GARVER CREEK SNOTEL	4250	6/01/09	0	.0	.0	.0
GRAVE CRK SNOTEL	4300	6/01/09	0	.0	.0	.0
HAND CREEK SNOTEL	5030	6/01/09	0	.0	.0	.0
HAWKINS LAKE SNOTEL	6450	6/01/09	26	12.3	14.0	17.8
HELL ROARING DIVIDE	5770	5/29/09	40	18.7	26.3	10.8
HERRIG JUNCTION	4850	5/28/09	18	8.7	24.3	5.4
HOODOO BASIN SNOTEL	6050	6/01/09	61	30.3	43.6	28.4
KRAFT CREEK SNOTEL	4750	6/01/09	0	.0	.0	.0
LAKEVIEW RDG. SNOTEL	7400	6/01/09	0	.0	.7	.3
LEMHI RIDGE SNOTEL	8100	6/01/09	0	.0	.9	1.4
LICK CREEK SNOTEL	6860	6/01/09	0	.0	4.2	.5
LONE MOUNTAIN SNOTEL	8880	6/01/09	19	9.3	20.9	11.8
LOWER TWIN SNOTEL	7900	6/01/09	36	15.0	19.3	13.0
LUBRECHT SNOTEL	4680	6/01/09	0	.0	.0	.0
MADISON PLT SNOTEL	7750	6/01/09	19	7.6	21.9	9.0
MANY GLACIER SNOTEL	4900	6/01/09	0	.0	.0	.0
MONUMENT PK SNOTEL	8850	6/01/09	33	15.2	21.0	15.9
MOSS PEAK SNOTEL	6780	6/01/09	57	27.9	36.2	31.0
MT LOCKHART SNOTEL	6400	6/01/09	18	5.6	14.4	9.6

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
MULE CREEK SNOTEL	8300	6/01/09	26	9.4	12.1	9.3
N.E. ENTRANCE SNOTEL	7350	6/01/09	0	.0	.0	.4
NEVADA RIDGE SNOTEL	7020	6/01/09	5	2.4	6.9	3.4
NEZ PERCE CMP SNOTEL	5650	6/01/09	0	.0	.9	.3
N.F. ELK CR SNOTEL	6250	6/01/09	0	.0	.0	.6
NF JOCKO SNOTEL	6330	6/01/09	50	27.3	31.4	26.4
NOISY BASIN SNOTEL	6040	6/01/09	69	31.0	32.3	30.1
OPHIR PARK	7150	5/31/09	4	2.0	2.8	--
PETERSON MDW SNOTEL	7200	6/01/09	20	7.1	3.9	2.7
PICKFOOT CRK SNOTEL	6650	6/01/09	0	.0	.0	.0
PIKE CREEK SNOTEL	5930	6/01/09	0	.0	19.2	7.3
PLACER BASIN SNOTEL	8830	6/01/09	35	13.3	20.8	14.6
POORMAN CR SNOTEL	5100	6/01/09	18	9.0	21.7	11.1
PORCUPINE SNOTEL	6500	6/01/09	0	.0	.0	.0
RED MOUNTAIN	6000	5/28/09	25	11.0	7.8	4.1
REVAIS CREEK	4800	5/26/09	0	.0	.0	.0
ROCKER PEAK SNOTEL	8000	6/01/09	35	14.1	13.5	11.7
ROCKY BOY SNOTEL	4700	6/01/09	0	.0	.0	.2
SACAJAWEA SNOTEL	6550	6/01/09	0	.0	.0	.0
SADDLE MTN SNOTEL	7900	6/01/09	40	16.7	20.2	16.3
S.F. SHIELDS SNOTEL	8100	6/01/09	22	8.1	17.3	12.3
SHORT CREEK SNOTEL	7000	6/01/09	0	.0	.0	.0
SHOWER FALLS SNOTEL	8100	6/01/09	53	24.5	34.5	20.5
SKALKAHO SNOTEL	7260	6/01/09	19	7.1	12.9	14.6
SLEEPING WOMAN SNTL	6150	6/01/09	0	.0	1.2	1.2
SPUR PARK SNOTEL	8100	6/01/09	40	16.6	21.6	14.2
STAHL PEAK SNOTEL	6030	6/01/09	56	25.7	34.7	28.0
STRYKER BASIN	6180	5/28/09	45	24.5	37.9	19.4
STUART MOUNTAIN SNTL	7400	6/01/09	53	23.6	25.7	17.0
TAYLOR ROAD	4080	5/27/09	0	.0	.0	.2
TEPEE CREEK SNOTEL	8000	6/01/09	0	.0	5.1	5.2
TIZER BASIN SNOTEL	6840	6/01/09	0	.0	.0	.3
TV MOUNTAIN	6800	5/27/09	24	9.6	7.1	6.8
TWELVEMILE SNOTEL	5600	6/01/09	0	.0	.0	.4
TWIN LAKES SNOTEL	6400	6/01/09	36	22.0	36.9	22.3
WALDRON SNOTEL	5600	6/01/09	0	.0	.0	.1
WARM SPRINGS SNOTEL	7800	6/01/09	54	23.3	18.9	17.0
WEST YELL'ST SNOTEL	6700	6/01/09	0	.0	.0	.0
WHISKEY CREEK SNOTEL	6800	6/01/09	0	.0	8.8	1.2
WHITE MILL SNOTEL	8700	6/01/09	35	15.2	26.6	18.0
WOOD CREEK SNOTEL	5960	6/01/09	0	.0	.0	.5

Montana Water Supply Outlook Report as of June 1, 2009

June 1 state-wide snowpack was 92 percent of average and 62 percent of last year. The Columbia River Basin was 99 percent of average; Missouri River Basin was 87 percent of average, St. Mary River Basin was 74 percent of average, and the Yellowstone River Basin was 72 percent of average. There was significant snowmelt the later part of May from the well above average temperatures.

May mountain precipitation in the Columbia River Basin was 85 percent of average, Missouri River Basin was 62 percent of average, St. Mary was 81 percent of average, and Yellowstone River Basin was 62 percent of average.

Snowpack

As of June 1, mountain snowpack was 92 percent of average and 62 percent of last year. Snow water content west of the Continental Divide was 99 percent of average and 67 percent of last year and east of the Continental Divide was 77 percent of average and 51 percent of last year.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR	MAY % CHANGE
COLUMBIA	99	67	-3
KOOTENAI, MONTANA	87	68	-10
FLATHEAD, MONTANA	101	67	+7
UPPER CLARK FORK	119	88	+2
BITTERROOT	79	53	-30
LOWER CLARK FORK	96	54	-7
MISSOURI	87	56	-29
MISSOURI HEADWATERS	90	62	-28
JEFFERSON	91	74	-28
MADISON	89	56	-24
GALLATIN	100	63	-16
MISSOURI MAINSTEM	90	55	-23
HEADWATERS MAINSTEM	108	72	-13
SMITH-JUDITH-MUSSELSHELL ..	96	54	-21
SUN-TETON-MARIAS	65	35	-39
ST. MARY	74	62	-6
YELLOWSTONE	72	47	-38
UPPER YELLOWSTONE	87	59	-31
LOWER YELLOWSTONE	54	34	-48
STATE-WIDE	92	62	-18

Precipitation

May mountain and valley precipitation across the state was 63 percent of average and 44 percent of last year, while the water year precipitation was 96 percent of average and 91 percent of last year.

West of the Continental Divide, May mountain and valley precipitation was 83 percent of average and 83 percent of last year and the water year precipitation was 94 percent of average and 91 percent of last year. East of the Divide, May mountain and valley precipitation was 54 percent of average and 34 percent of last year and the water year precipitation was 98 percent of average and 90 percent of last year.

RIVER BASIN	MAY % OF AVERAGE	WATER YEAR % OF AVERAGE
COLUMBIA	83	94
KOOTENAI	102	87
FLATHEAD	78	88
UPPER CLARK FORK	64	103
BITTERROOT	107	101
LOWER CLARK FORK	101	93
MISSOURI	53	98
JEFFERSON	59	103
MADISON	68	100
GALLATIN	74	102
MISSOURI MAINSTEM	41	99
SMITH-JUDITH-MUSSELSHELL	42	98
SUN-TETON-MARIAS	41	89
MILK	59	99
ST. MARY	81	77
YELLOWSTONE	57	100
UPPER YELLOWSTONE	62	101
LOWER YELLOWSTONE	56	100
STATE-WIDE	63	96

Reservoirs

Major reservoir storages state-wide were 91 percent of average and 112 percent of last year. Reservoir storage west of the Continental Divide was 114 percent of average and 96 percent of last year. East of the Continental Divide, reservoir storages were 80 percent of average and 118 percent of last year.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR
COLUMBIA	114	96
KOOTENAI	123	92
FLATHEAD	107	100
UPPER CLARK FORK	122	101
BITTERROOT	112	105
LOWER CLARK FORK	106	100
MISSOURI	78	120
JEFFERSON	97	115
MADISON	--	--
GALLATIN	113	96
MISSOURI MAINSTEM	76	120
SMITH-JUDITH-MUSSELSHELL	111	211
SUN-TETON-MARIAS	107	104
MILK	120	163
ST. MARY	105	122
YELLOWSTONE	107	98
UPPER YELLOWSTONE	114	108
LOWER YELLOWSTONE	107	98
STATE-WIDE	85	104

Streamflow

SEASONAL STREAMFLOW FORECASTS

State-wide, streamflow forecasts average between 82 and 97 percent. West of the Continental Divide, streamflow forecasts average between 89 and 101 percent and east of the Continental Divide, streamflow forecasts average between 75 and 94 percent.

Several areas across the state have summer streamflow forecasts of below to well below average. Water users and water managers in these areas need to monitor their local conditions and plan accordingly for possible water shortages later in the summer.

Below are River Basin streamflow forecast summaries for the period May 1 through July 31. THESE FORECASTS ASSUME NEAR NORMAL SPRING CONDITIONS AND DO NOT ACCOUNT FOR WELL BELOW AVERAGE (70% or less) OR WELL ABOVE AVERAGE (130% or more) SNOWMELT OR SPRING RAIN. Specific forecast probabilities are available in each individual River Basin Report.

RIVER BASIN	June-July THIS YEAR % OF AVERAGE	June-July LAST YEAR % OF AVERAGE
COLUMBIA	89 to 101	102 to 113
KOOTENAI	75 to 86	103 to 113
FLATHEAD	81 to 93	106 to 118
UPPER CLARK FORK	102 to 118	84 to 100
BITTERROOT	95 to 107	112 to 124
LOWER CLARK FORK	92 to 96	119 to 123
MISSOURI	73 to 93	102 to 123
JEFFERSON	79 to 103	89 to 115
MADISON	86 to 94	118 to 126
GALLATIN	102 to 112	120 to 131
MISSOURI MAINSTEM	92 to 104	106 to 118
SMITH-JUDITH-MUSSELSHELL .	58 to 84	107 to 133
SUN-TETON-MARIAS	58 to 80	105 to 124
MILK	53 TO 80	84 to 125
ST. MARY	87 to 91	94 to 111
YELLOWSTONE	81 to 94	120 to 137
UPPER YELLOWSTONE	91 to 102	112 to 126
LOWER YELLOWSTONE	62 to 79	132 to 153
STATE-WIDE	82 to 97	105 to 122

NOTE: The JUNE-JULY LAST YEAR % OF AVERAGE column above is last years forecasts on June 1, NOT of what actually occurred.

Snow Melt Peak Streamflow Forecasts

Most rivers and streams across the state have reached the snowmelt peak for this spring.

Snowmelt peak forecast dates are as follows:

COLUMBIA RIVER

Bitterroot River near Darby	Peaked May 31
Bitterroot River at Missoula	Peaked June 1
Blackfoot River near Bonner	Peaked June 1
Clark Fork River above Missoula	Peaked May 26 and May 28
Clark Fork River at St. Regis	Peaked June 1
Clark Fork River below Missoula	Peaked June 1
Como Reservoir inflow	Peaked May 30
Fisher River near Libby	Peaked May 20
Little Blackfoot River near Garrison	Peaked May 20 and May 25
Lower Willow Creek Reservoir Inflow	May 23 to May 29
Middle Fork Flathead River near West Glacier ...	Peaked May 31
Middle Fork Rock Creek near Phillipsburg.....	Peaked May 31
Nevada Creek near Helmville	Peaked May 20
North Fork Flathead River near Columbia Falls ..	Peaked May 31
Prospect Creek at Thompson Falls	Peaked May 19 and May 20
South Fork Flathead River above Twin Creeks	Peaked May 31

Swan River near Big Fork.....	Peaked June 2
Thompson River near Eureka	Peaked May 19
Tobacco River near Eureka	Peaked May 31
Yaak River near Troy	Peaked May 19

MISSOURI RIVER

Badger Creek near Browning	Peaked May 31
Big Hole River at Wisdom	Peaked May 26
Big Hole River near Melrose	Peaked June 1
Boulder River near Boulder	Peaked May 20 and May 25
Clark Canyon Reservoir Inflow	June 3 to June 9
Cut Bank Creek near Browning	Peaked May 31
Dearborn River near Craig	Peaked May 20
Gallatin River near Gateway.....	Peaked May 31
Gallatin River near Logan	Peaked June 1
Gibson Reservoir Inflow	Peaked May 31
Hebgen Reservoir Inflow	Peaked May 20
Hyalite Reservoir Inflow	May 28 to June 3
Jefferson River near Three Forks	Peaked June 2
Madison River near West Yellowstone	May 23 to May 29
Marias River near Shelby	Peaked June 1
Missouri River at Toston	Peaked June 1
Musselshell River near Harlowton	Peaked May 22
Musselshell River near Martinsdale	Peaked May 21
North Fork Musselshell River near Delpine	May 24 to May 30
Ruby Reservoir Inflow	Peaked May 30
Sheep Creek near White Sulphur Springs	May 26 to June 1
Smith River below Eagle Creek near Fort Logan ..	Peaked May 20 and May 21
Swift Reservoir Inflow	Peaked May 31
Two Medicine River near Browning	Peaked May 31
Willow Creek near Harrison	June 14 to June 20

SASKATCHEWAN RIVER BASIN

Lake Sherburne Inflow	Peaked May 31
St. Mary River at International Boundary	Peaked June 1

YELLOWSTONE RIVER

Boulder River near Big Timber	Peaked June 1
Clarks Fork River near Belfry	Peaked May 31
Cooney Reservoir Inflow	Peaked June 3
Little Bighorn near Hardin	Peaked June 3
Little Goose Creek near Bighorn Wyoming	May 29 to June 4
Mystic Reservoir Inflow	June 2 to June 8
Powder River near Moorehead	Peaked May 22
Shields River near Livingston	Peaked May 21
Stillwater River near Absarokee	Peaked June 1
Tongue River near Dayton Wyoming	Peaked May 25 and May 31
Tongue River Reservoir Inflow	Peaked June 1
Yellowstone River at Billings	Peaked June 1
Yellowstone River at Corwin Springs	Peaked May 30
Yellowstone River at Lake Outlet	June 21 to June 27
Yellowstone River at Livingston	Peaked May 30

Surface Water Supply Index

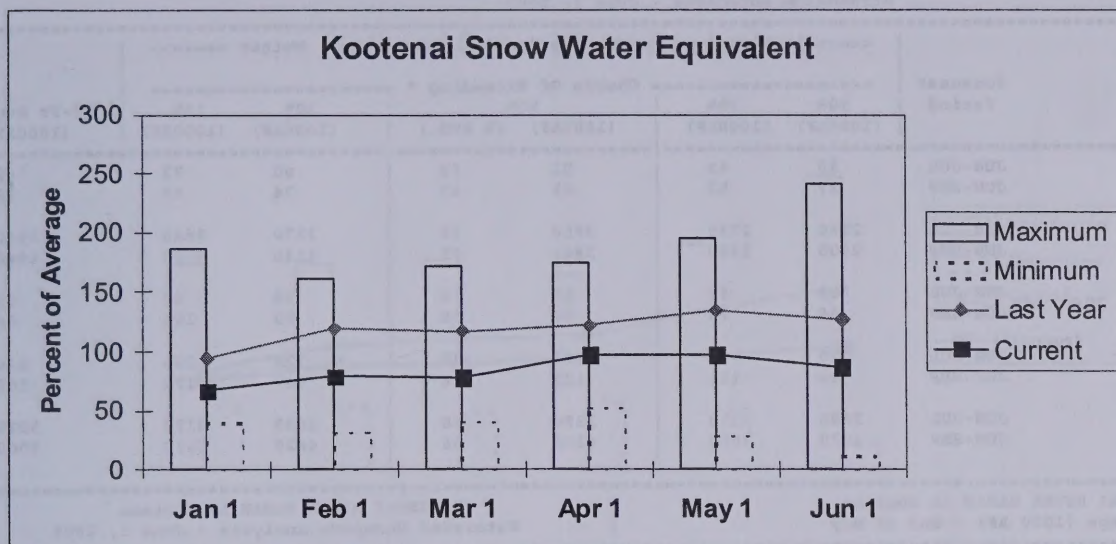
The Surface Water Supply Index (SWSI) is an indicator of surface water supply conditions for the spring and summer months. Water users that rely on mountain precipitation can use the index to evaluate seasonal surface water supplies. The SWSI accounts for mountain snowpack, mountain precipitation, streamflow, reservoir storage, and soil moisture.

<u>SWSI RATING</u>	<u>SURFACE WATER CONDITION</u>
+3.0 to +4.0	Extremely Wet
+2.0 to +3.0	Moderately Wet
+1.0 to +2.0	Slightly Wet
-1.0 to +1.0	Near Average
-1.0 to -2.0	Slightly Dry
-2.0 to -3.0	Moderately Dry
-3.0 to -4.0	Extremely Dry

This Year SWSI	Last Year SWSI	Basin
-1.1	-1.3	Tobacco River
-2.7	-0.7	Kootenai Ft. Steele to Libby Dam
-1.5	+0.8	Kootenai River below Libby Dam
+0.8	+2.5	Fisher River
-1.2	+1.0	Yaak River
-2.5	+0.7	North Fork Flathead River
-0.7	+1.6	Middle FORK Flathead River
0.0	+1.3	South Fork Flathead River
-1.6	+1.3	Flathead River at Columbia Falls
-1.2	-0.6	Swan River
-1.4	+1.2	Flathead River at Polson
----	-3.6	Mission Valley
----	-3.1	Little Bitterroot River
+2.4	+1.5	Clark Fork River above Milltown
+2.3	+0.5	Blackfoot River
+1.8	+1.9	Bitterroot River
+2.4	+1.7	Clark Fork River below Bitterroot River
-0.3	+1.4	Clark Fork River below Flathead River
+0.2	-0.3	Beaverhead River
-0.6	+1.1	Ruby River
+2.0	+1.0	Big Hole River
0.0	0.0	Boulder River (Jefferson)
+2.4	+1.6	Jefferson River
----	+1.1	Madison River
+2.1	+2.0	Gallatin River
+0.6	+0.5	Missouri River above Canyon Ferry
+0.7	+0.4	Missouri River below Canyon Ferry
+0.6	+0.3	Smith River
-0.4	+1.4	Sun River
+0.5	+1.1	Teton River
-0.3	+0.7	Birch/Dupuyer Creeks
-0.2	+2.5	Upper Judith River
----	+1.6	Marias River above Tiber
----	+2.3	Marias River below Tiber
+1.1	+0.2	Musselshell River
----	+1.1	Missouri River above Ft. Peck
-2.0	-3.3	Missouri River below Ft. Peck
-1.0	+1.5	St. Mary River
-0.9	-0.6	Milk River
+1.5	+1.9	Dearborn River near Craig
+1.6	+2.1	Yellowstone River above Livingston
+1.9	+1.7	Shields River
+3.4	+0.6	Boulder River (Yellowstone)
+0.6	+0.6	Stillwater River
+1.2	+0.9	Rock/Red Lodge Creeks
+1.5	+2.4	Clarks Fork River
+1.6	+1.8	Yellowstone River above Bighorn River
+1.3	+1.5	Bighorn River below Bighorn Lake
-0.6	+2.1	Little Bighorn River
+1.5	+1.7	Yellowstone River below Bighorn River
+0.1	+3.4	Tongue River
+1.0	+3.4	Powder River

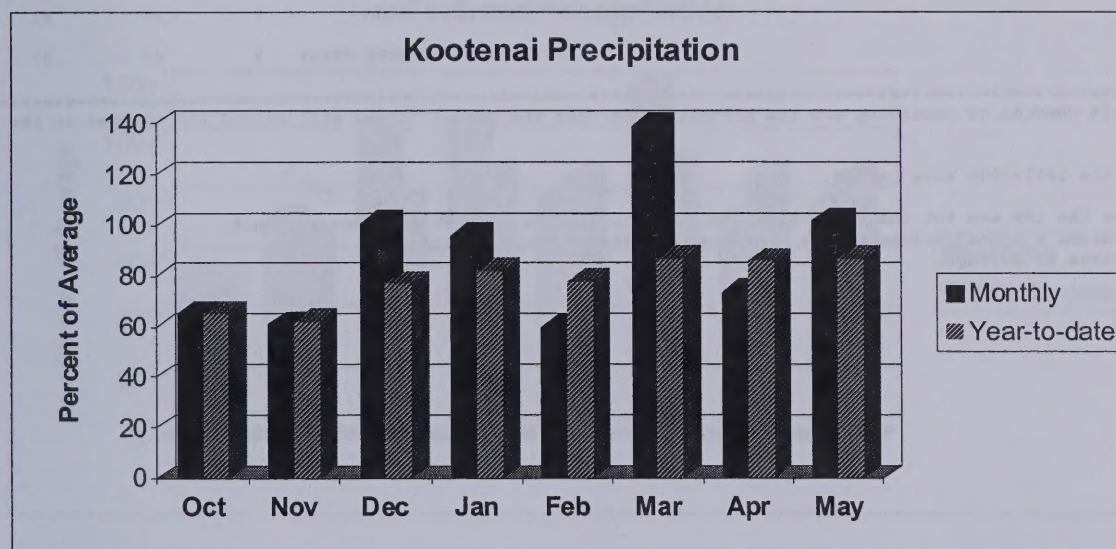
Kootenai River Basin in Montana

Snowpack conditions in the Kootenai River Basin were below average. Snow water content was 87 percent of average and 68 percent of last year.



January maximum swe was established in 1997 and minimum was in 1977; February maximum swe was in 1997 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1974 and minimum swe was in 2001 and 2005; May maximum swe was in 1974 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during May was 103 percent of average and 129 percent of last year. Valley precipitation during May was 94 percent of average and 165 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 87 percent of average and 84 percent of last year.



Lake Koocanusa storage was 123 percent of average and 92 percent of last year.

For streamflow snowmelt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was -1.1 in the Tobacco River; -2.7 in the Kootenai Ft. Steele to Libby Dam; -1.5 in the Kootenai River below Libby Dam; +0.8 in the Fisher River; and -1.2 in the Yaak River.

KOOTENAI RIVER BASIN in Montana
Streamflow Forecasts - June 1, 2009

		<<----- Drier ----- Future Conditions ----- Wetter ----->>						
Forecast Point	Forecast Period	Chance Of Exceeding *						
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
TOBACCO RIVER nr Eureka	JUN-JUL	30	42	51	82	60	72	62
	JUN-SEP	37	52	63	83	74	89	76
LIBBY RES Inflow (1,2)	JUN-JUL	2260	2730	2950	86	3170	3640	3440
	JUN-SEP	2900	3550	3840	87	4130	4780	4440
FISHER RIVER nr Libby	JUN-JUL	43	56	65	96	74	87	68
	JUN-SEP	56	70	80	95	90	104	84
YAAK RIVER nr Troy	JUN-JUL	70	95	112	78	129	154	144
	JUN-SEP	84	111	129	78	147	174	166
KOOTENAI at Leonia (1,2)	JUN-JUL	2590	3130	3380	86	3630	4170	3920
	JUN-SEP	3270	3980	4300	86	4620	5330	5000

KOOTENAI RIVER BASIN in Montana
Reservoir Storage (1000 AF) - End of May

Reservoir	Usable Capacity	*** Usable Storage ***		
		This Year	Last Year	Avg
LAKE KOOCANUSA		NO REPORT		

KOOTENAI RIVER BASIN in Montana
Watershed Snowpack Analysis - June 1, 2009

Watershed	Number of Data Sites	This Year as % of	
		Last Yr	Average
KOOTENAY in CANADA	0	0	0
KOOTENAI MAINTSTEM	4	62	90
TOBACCO	2	74	92
FISHER	1	0	0
YAAK	3	107	106
KOOTENAI in MONTANA	9	68	87
KOOTENAI ab BONNERS FERRY	9	68	87

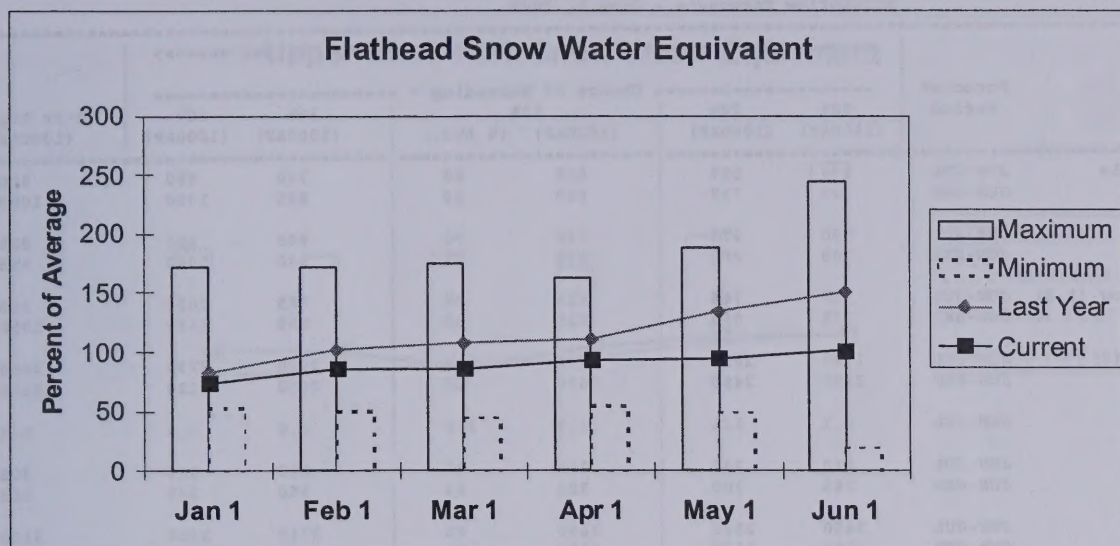
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.
- (3) - Median value used in place of average.

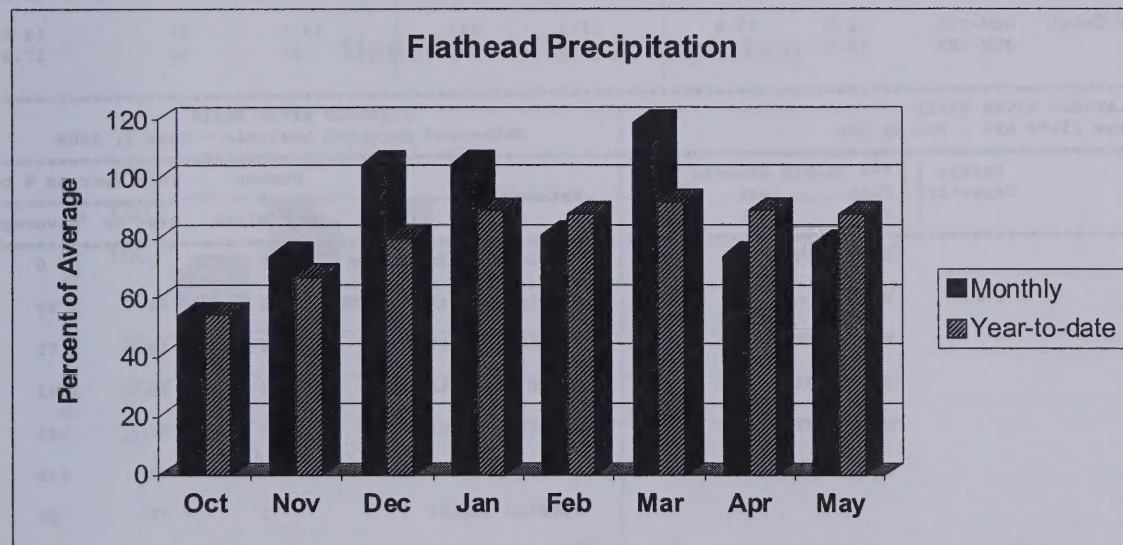
Flathead River Basin

Snowpack conditions in the Flathead River Basin were near. Snow water content was 101 percent of average and 67 percent of last year.



January maximum swe was established in 1997 and minimum was in 2001; February maximum swe was in 1972 and minimum was in 2001; March maximum swe was in 1972 and minimum was in 2005; April maximum swe was in 1972 and minimum was in 2005; May maximum swe was in 1972 and minimum was in 1992; and June maximum swe was in 1974 and minimum was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during May was 82 percent of average and 68 percent of last year. Valley precipitation during May was 55 percent of average and 58 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 88 percent of average and 87 percent of last year.



Combined Camas reservoir storage was not available; Lower Jocko Lake was not available; combined Mission Valley reservoir storage was not available; Hungry Horse storage was 111 percent of average and 100 percent of last year; and Flathead Lake storage was 101 percent of average and 100 percent of last year.

For streamflow snowmelt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was -2.5 in the North Fork Flathead River; -0.7 in the Middle Fork Flathead River; 0.0 in the South Fork Flathead River; -1.6 in the Flathead River at Columbia Falls; -1.2 in the Swan River; -1.4 in the Flathead River at Polson; not available for the Mission Valley and not available for the Little Bitterroot River basins.

FLATHEAD RIVER BASIN
Streamflow Forecasts - June 1, 2009

Forecast Point	Forecast Period	<----- Drier ----- Future Conditions ----- Wetter ----->						30-Yr Avg. (1000AF)
		Chance Of Exceeding *						
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
NF FLATHEAD nr Columbia Falls	JUN-JUL	480	590	665	80	740	850	830
	JUN-SEP	595	715	800	80	885	1000	1000
MF FLATHEAD nr West Glacier	JUN-JUL	580	675	740	90	805	900	825
	JUN-SEP	700	800	870	89	940	1040	975
HUNGRY HORSE Reservoir Inflow (1,2)	JUN-JUL	585	745	815	85	885	1050	960
	JUN-SEP	710	860	925	85	990	1140	1090
FLATHEAD at Columbia Falls (2)	JUN-JUL	1790	2090	2290	85	2490	2790	2690
	JUN-SEP	2220	2490	2670	85	2850	3120	3160
ASHLEY CREEK nr Marion (2)	JUN-JUL	0.1	1.1	1.7	108	2.4	3.4	1.6
SWAN RIVER nr Bigfork	JUN-JUL	210	240	260	85	280	310	305
	JUN-SEP	265	300	325	84	350	385	385
FLATHEAD LAKE Inflow (1,2)	JUN-JUL	2450	2590	2650	86	2710	2850	3100
	JUN-SEP	2790	2980	3060	85	3140	3330	3620
MILL CREEK nr Niarada	JUN-JUL	0.7	1.1	1.3	105	1.6	1.9	1.3
	JUN-SEP	1.0	1.4	1.7	104	1.9	2.3	1.6
SOUTH CROW CREEK nr Ronan	JUN-JUL	4.8	5.6	6.1	67	6.6	7.4	9.1
	JUN-SEP	6.0	6.9	7.5	71	8.1	9.0	10.5
MISSION CREEK nr St Ignatius	JUN-JUL	14.1	16.1	17.4	101	18.7	21	17.2
	JUN-SEP	17.6	20	22	100	24	26	22
SOUTH FORK JOCKO RV nr Arlee	JUN-JUL	8.1	12.6	15.6	110	18.6	23	14.2
	JUN-SEP	11.8	16.5	19.7	109	23	28	18.0
NF JOCKO RV blw Tabor Feeder Canal	JUN-JUL	11.7	15.0	17.3	117	19.6	23	14.8
	JUN-SEP	13.5	17.1	19.6	110	22	26	17.8

FLATHEAD RIVER BASIN
Reservoir Storage (1000 AF) - End of May

					Watershed Snowpack Analysis - June 1, 2009			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
CAMAS (4)		NO REPORT			NF FLATHEAD in CANADA	0	0	0
LOWER JOCKO LAKE		NO REPORT			NF FLATHEAD in MONTANA	6	62	99
MISSION VALLEY (8)		NO REPORT			MIDDLE FORK FLATHEAD	4	46	72
HUNGRY HORSE		NO REPORT			SOUTH FORK FLATHEAD	2	96	103
FLATHEAD LAKE		NO REPORT			STILLWATER-WHITEFISH	5	56	146
					SWAN	4	88	100
					MISSION VALLEY	2	77	90
					LITTLE BITTERROOT-ASHLEY	0	0	0
					JOCKO	5	95	121
					FLATHEAD in MONTANA	21	67	101
					FLATHEAD RIVER BASIN	21	67	101

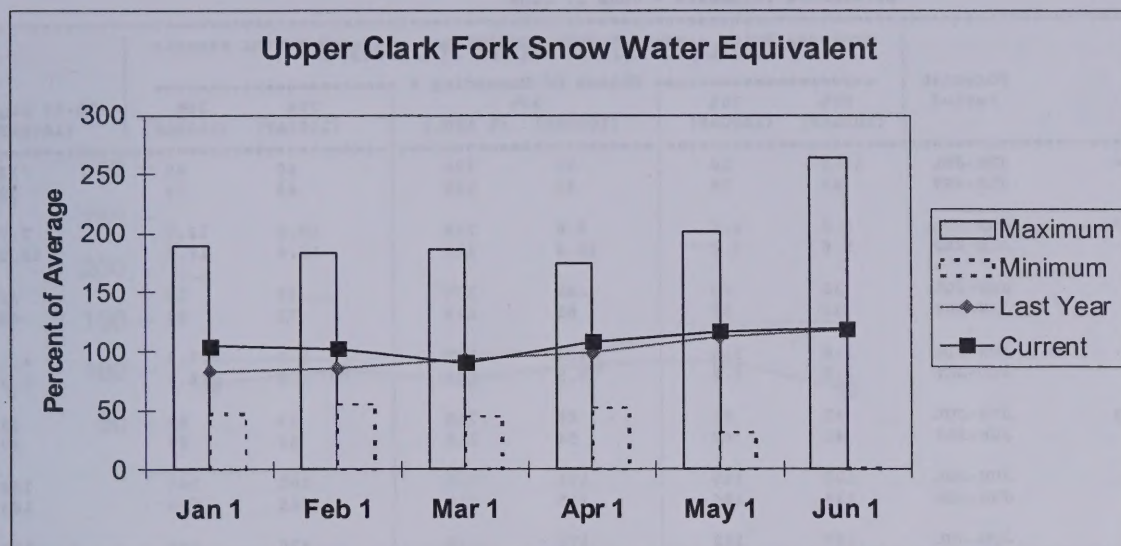
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.
- (3) - Median value used in place of average.

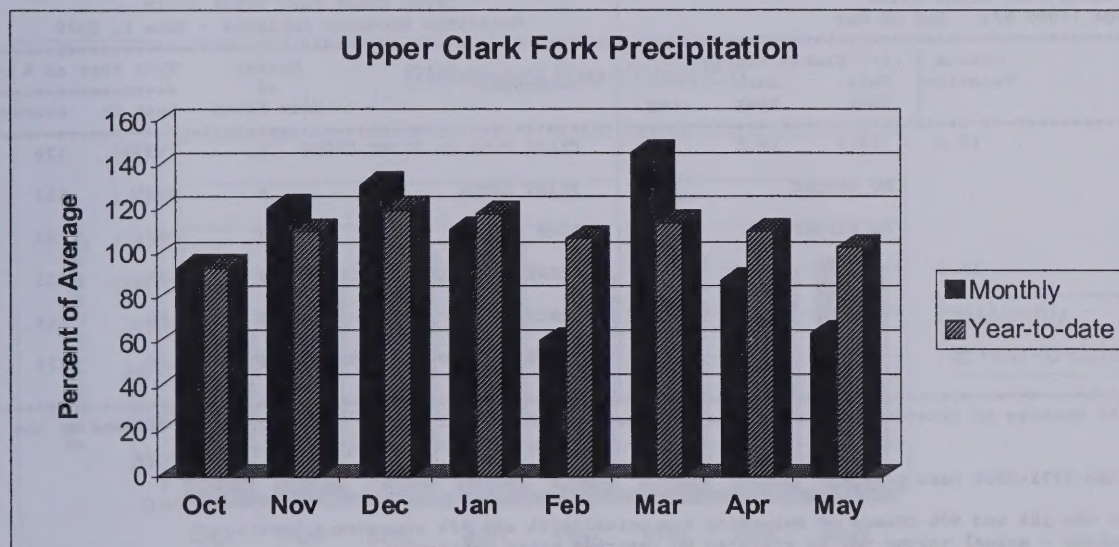
Upper Clark Fork River Basin

Snowpack conditions in the Upper Clark Fork River Basin were above average. Snow water content was 119 percent of average and 88 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 2005; April maximum swe was in 1972 and minimum was in 2005; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1975 and minimum swe was in 1987. Average is for the period 1971 through 2000.

Mountain precipitation during May was 65 percent of average and 60 percent of last year. Valley precipitation during May was 61 percent of average and 67 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 103 percent of average and 104 percent of last year.



East Fork Reservoir was 142 percent of average and 103 percent of last year; Georgetown Lake was not available; Lower Willow Creek storage was not available; and Nevada Creek storage was 104 percent of average and 99 percent of last year.

For streamflow snowmelt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was +2.4 in the Clark Fork River above Milltown and +2.3 in the Blackfoot River.

UPPER CLARK FORK RIVER BASIN
Streamflow Forecasts - June 1, 2009

		Future Conditions						
		<<----- Drier -----		----- Wetter ----->>				
Forecast Point	Forecast Period	Chance Of Exceeding *						30-Yr Avg. (1000AF)
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	

LITTLE BLACKFOOT nr Garrison	JUN-JUL	18.5	28	34	106	40	49	32
	JUN-SEP	23	34	41	105	48	59	39
FLINT CREEK nr Southern Cross	JUN-JUL	6.5	8.4	9.6	125	10.8	12.7	7.7
	JUN-SEP	5.6	9.8	12.6	124	15.4	19.6	10.2
FLINT CREEK blw Boulder Ck	JUN-JUL	32	40	45	136	50	58	33
	JUN-SEP	48	58	65	135	72	82	48
LOWER WILLOW CK RES Inflow	JUN-JUL	1.6	3.3	4.5	105	5.7	7.4	4.3
	JUN-SEP	2.3	4.2	5.5	104	6.8	8.7	5.3
MF ROCK CREEK nr Philipsburg	JUN-JUL	35	41	45	115	49	55	39
	JUN-SEP	41	49	54	115	59	67	47
ROCK CREEK nr Clinton	JUN-JUL	108	149	176	119	205	245	148
	JUN-SEP	138	184	215	118	245	290	183
CLARK FORK abv Milltown	JUN-JUL	265	330	370	118	410	475	315
	JUN-SEP	360	430	480	117	530	600	410
NEVADA CREEK nr Helmville	JUN-JUL	5.1	7.1	8.5	121	9.9	11.9	7.0
	JUN-SEP	6.4	8.7	10.3	121	11.9	14.2	8.5
BLACKFOOT RIVER nr Bonner	JUN-JUL	310	380	425	112	470	540	380
	JUN-SEP	400	470	520	111	570	640	470
CLARK FORK abv Missoula	JUN-JUL	735	795	835	120	875	935	695
	JUN-SEP	960	1020	1060	121	1100	1160	880

UPPER CLARK FORK RIVER BASIN
Reservoir Storage (1000 AF) - End of May

UPPER CLARK FORK RIVER BASIN
Watershed Snowpack Analysis - June 1, 2009

Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
EAST FORK ROCK CREEK	15.6	14.9	14.5	10.5	CLARK FORK ab FLINT CREEK	5	99	120
GEORGETOWN LAKE		NO REPORT			FLINT CREEK	4	286	257
LOWER WILLOW CREEK		NO REPORT			ROCK CREEK	2	85	82
NEVADA CREEK	12.6	11.5	11.6	11.1	CLARK FORK ab BLACKFOOT	9	108	119
					BLACKFOOT	6	69	116
					UPPER CLARK FORK BASIN	15	88	119

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

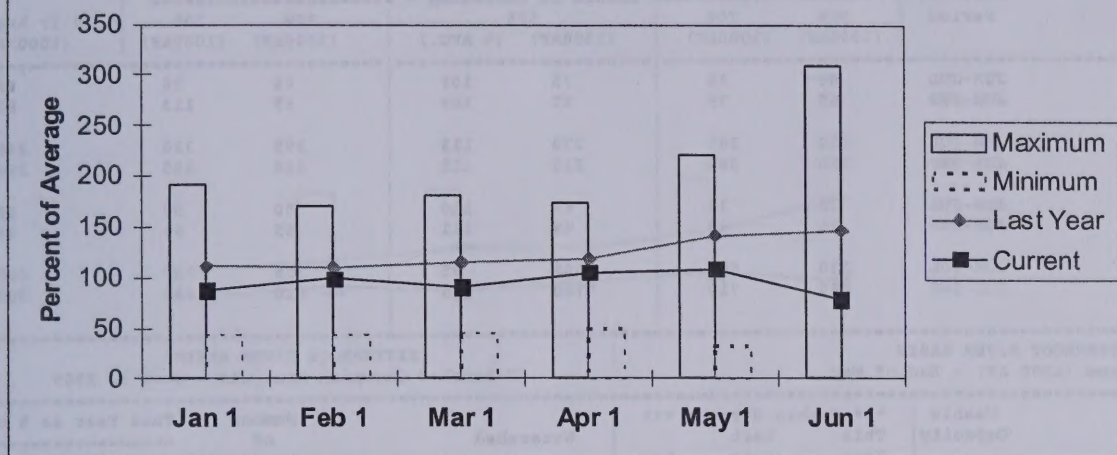
The average is computed for the 1971-2000 base period.

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- (2) - The value is natural volume - actual volume may be affected by upstream water management.
- (3) - Median value used in place of average.

Bitterroot River Basin

Snowpack conditions in the Bitterroot River Basin were below average. Snow water content was 79 percent of average and 53 percent of last year.

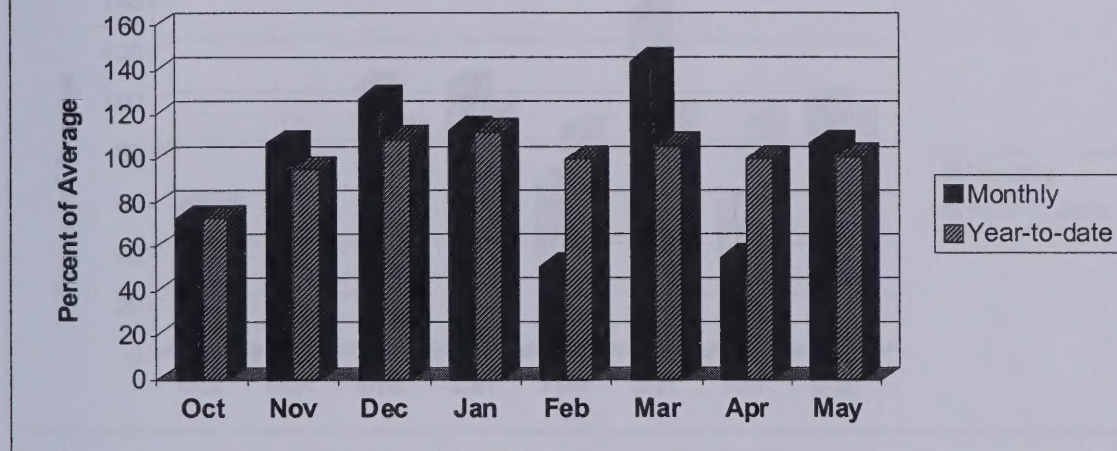
Bitterroot Snow Water Equivalent



January maximum swe was established in 1997 and minimum swe in 1977; February maximum swe was in 1972 and minimum was in 1977; March maximum swe was in 1972 and minimum swe was in 1977 and 2005; April maximum swe was in 1972 and minimum swe was in 2005; May maximum swe was in 1972 and minimum swe was in 1987; and June maximum swe was 1972 and 1974 and minimum swe was in 1987, 1992, 1994, and 2001. Average is for the period 1971 through 2000.

Mountain precipitation during May was 119 percent of average and 152 percent of last year. Valley precipitation during May was 55 percent of average and 91 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 101 percent of average and 95 percent of last year.

Bitterroot Precipitation



Painted Rocks Lake storage was 109 percent of average and 99 percent of last year and Como storage was 116 percent of average and 111 percent of last year.

For streamflow snowmelt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was +1.8 in the Bitterroot River.

BITTERROOT RIVER BASIN
Streamflow Forecasts - June 1, 2009

		<<===== Drier ===== Future Conditions ===== Wetter =====>>						
Forecast Point	Forecast Period	Chance Of Exceeding *						30-Yr Avg. (1000AF)
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
WF BITTERROOT nr Conner (2)	JUN-JUL	54	66	75	109	84	96	69
	JUN-SEP	65	79	89	109	99	113	82
BITTERROOT nr Darby	JUN-JUL	210	245	270	113	295	330	240
	JUN-SEP	255	300	330	112	360	405	295
COMO RESERVOIR Inflow	JUN-JUL	30	38	44	110	50	58	40
	JUN-SEP	34	43	49	111	55	64	44
BITTERROOT at Missoula	JUN-JUL	530	605	655	95	705	780	690
	JUN-SEP	640	710	760	95	810	880	800

BITTERROOT RIVER BASIN Reservoir Storage (1000 AF) - End of May					BITTERROOT RIVER BASIN Watershed Snowpack Analysis - June 1, 2009		
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of Last Yr Average
		This Year	Last Year	Avg			
PAINTED ROCKS LAKE	31.7	33.2	33.7	30.5	WEST FORK BITTERROOT	2	79
COMO	34.9	35.7	32.2	30.9	EAST SIDE BITTERROOT	3	72
					WEST SIDE BITTERROOT	3	43
					BITTERROOT RIVER BASIN	7	53

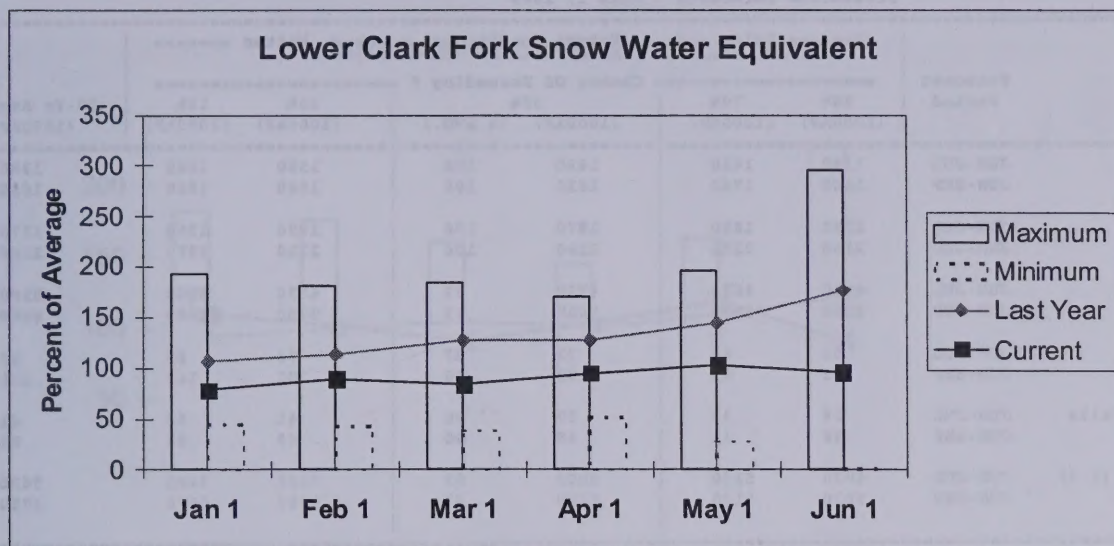
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The average is computed for the 1971-2000 base period.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.
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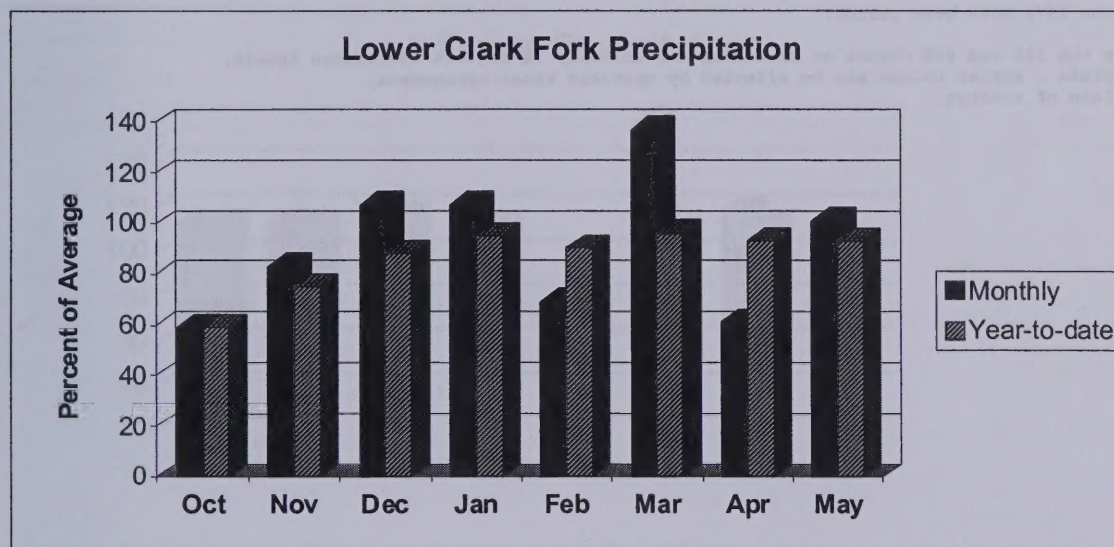
Lower Clark Fork River Basin

Snowpack conditions in the Lower Clark Fork River Basin were near average. Snow water content was 96 percent of average and 54 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum was in 2005; April maximum swe was in 1972 and minimum swe was in 2005; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1977. Average is for the period 1971 through 2000.

Mountain precipitation during May was 106 percent of average and 132 percent of last year. Valley precipitation during May was 84 percent of average and 122 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 93 percent of average and 86 percent of last year.



Noxon Rapids storage was 106 percent of average and 100 percent of last year.

For streamflow snowmelt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was +2.4 in the Clark Fork River below Bitterroot River and -0.3 in the Clark Fork River below Flathead River.

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LOWER CLARK FORK RIVER BASIN
Streamflow Forecasts - June 1, 2009

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Forecast Point	Forecast Period	<----- Drier ----- Future Conditions ----- Wetter ----->						30-Yr Avg. (1000AF)
		Chance Of Exceeding *						
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
CLARK FORK blw Missoula	JUN-JUL	1340	1430	1490	108	1550	1640	1380
	JUN-SEP	1660	1760	1820	108	1880	1980	1680
CLARK FORK at St. Regis (1)	JUN-JUL	1790	1850	1870	106	1890	1950	1770
	JUN-SEP	2190	2250	2280	106	2310	2370	2160
CLARK FORK nr Plains (1,2)	JUN-JUL	4410	4630	4730	93	4830	5050	5100
	JUN-SEP	5280	5530	5640	93	5750	6000	6090
THOMPSON nr Thompson Falls	JUN-JUL	53	64	71	87	78	89	82
	JUN-SEP	73	85	93	86	101	113	108
PROSPECT CREEK at Thompson Falls	JUN-JUL	28	33	37	90	41	46	41
	JUN-SEP	36	41	45	90	49	54	50
CLARK FK at Whitehorse Rpds (1,2)	JUN-JUL	4920	5110	5200	93	5290	5480	5620
	JUN-SEP	5830	6120	6250	93	6380	6670	6750

LOWER CLARK FORK RIVER BASIN Reservoir Storage (1000 AF) - End of May					LOWER CLARK FORK RIVER BASIN Watershed Snowpack Analysis - June 1, 2009			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
NOXON RAPIDS		NO REPORT			LOWER CLARK FORK BASIN	8	54	96

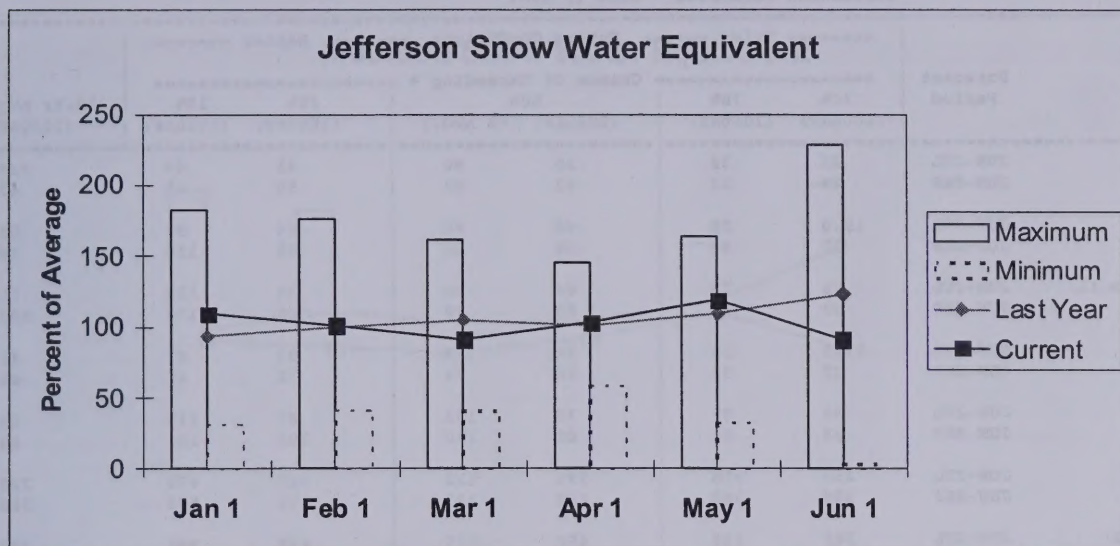
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The average is computed for the 1971-2000 base period.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.
- (3) - Median value used in place of average.

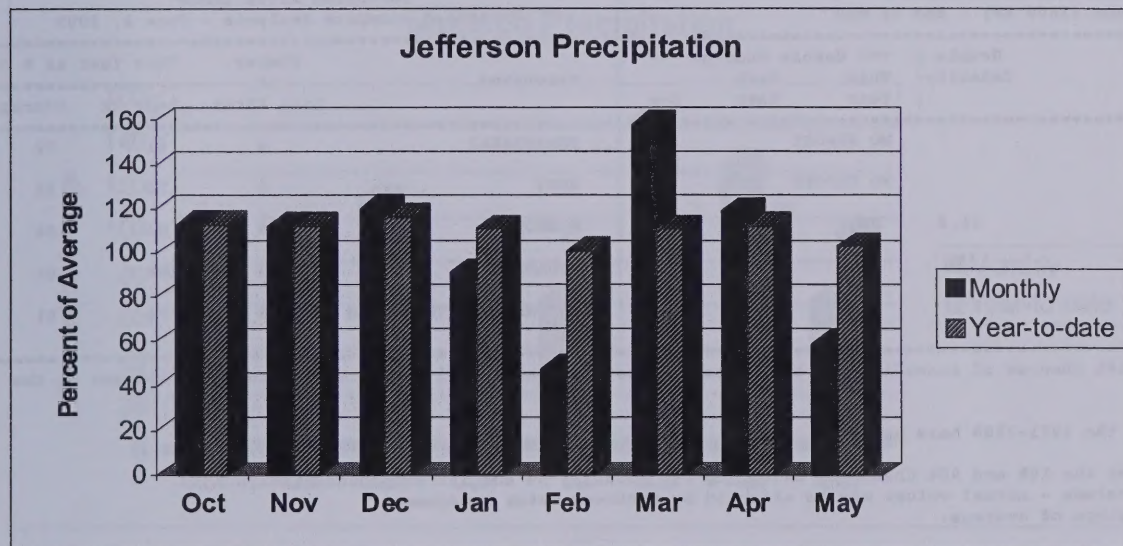
Jefferson River Basin

Snowpack conditions in the Jefferson River Basin were slightly below average. Snow water content was 91 percent of average and 74 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1972 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 1977; May maximum swe was in 1975 and minimum swe was in 1977; and June maximum swe was in 1982 and minimum in 1987. Average is for the period 1971 through 2000.

Mountain precipitation during May was 61 percent of average and 55 percent of last year. Valley precipitation during May was 41 percent of average and 40 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 103 percent of average and 98 percent of last year.



Canyon storage was 92 percent of average and 124 percent of last year; and Ruby River storage was 102 percent of average and 100 percent of last year.

For streamflow snowmelt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was +0.2 in the Beaverhead River; -0.6 in the Ruby River; +2.0 in the Big Hole River; +2.4 in the Boulder River; and +2.4 for the Jefferson River at Three Forks.

JEFFERSON RIVER BASIN
Streamflow Forecasts - June 1, 2009

		<<----- Drier ----- Future Conditions ----- Wetter ----->>						
Forecast Point	Forecast Period	Chance Of Exceeding *						30-Yr Avg. (1000AF)
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	

LIMA RESERVOIR Inflow (2)	JUN-JUL	21	29	35	90	41	49	39
	JUN-SEP	25	36	43	92	50	61	47
CLARK CANYON Inflow (2)	JUN-JUL	19.0	28	46	90	64	90	51
	JUN-SEP	27	48	68	90	88	118	76
BEAVERHEAD RIVER at Barretts (2)	JUN-JUL	26	38	64	90	90	128	71
	JUN-SEP	37	60	93	90	126	176	103
RUBY RIVER Reservoir Inflow	JUN-JUL	17.1	26	34	74	38	47	46
	JUN-SEP	27	38	46	74	52	63	62
BIG HOLE RIVER at Wisdom	JUN-JUL	34	57	72	133	87	110	54
	JUN-SEP	38	64	82	130	100	126	63
BIG HOLE RIVER nr Melrose	JUN-JUL	250	315	395	122	405	470	325
	JUN-SEP	285	365	460	121	475	555	380
JEFFERSON nr Twin Bridges (2)	JUN-JUL	240	345	450	115	485	590	390
	JUN-SEP	265	400	530	114	580	715	465
BOULDER RIVER nr Boulder	JUN-JUL	26	32	37	103	42	48	36
	JUN-SEP	29	38	44	102	50	59	43
WILLOW CREEK Reservoir Inflow	JUN-JUL	7.3	10.4	12.5	116	14.6	17.7	10.8
	JUN-SEP	7.9	12.1	15.0	115	17.9	22	13.1
JEFFERSON RIVER nr Three Forks (2)	JUN-JUL	200	315	415	112	475	590	370
	JUN-SEP	245	385	500	111	575	715	450

JEFFERSON RIVER BASIN Reservoir Storage (1000 AF) - End of May					JEFFERSON RIVER BASIN Watershed Snowpack Analysis - June 1, 2009			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
LIMA		NO REPORT			BEAVERHEAD	8	61	72
CLARK CANYON		NO REPORT			RUBY	5	70	93
RUBY RIVER	38.8	38.5	38.4	37.9	BIGHOLE	8	84	104
					BOULDER	3	104	85
					JEFFERSON RIVER BASIN	19	74	91

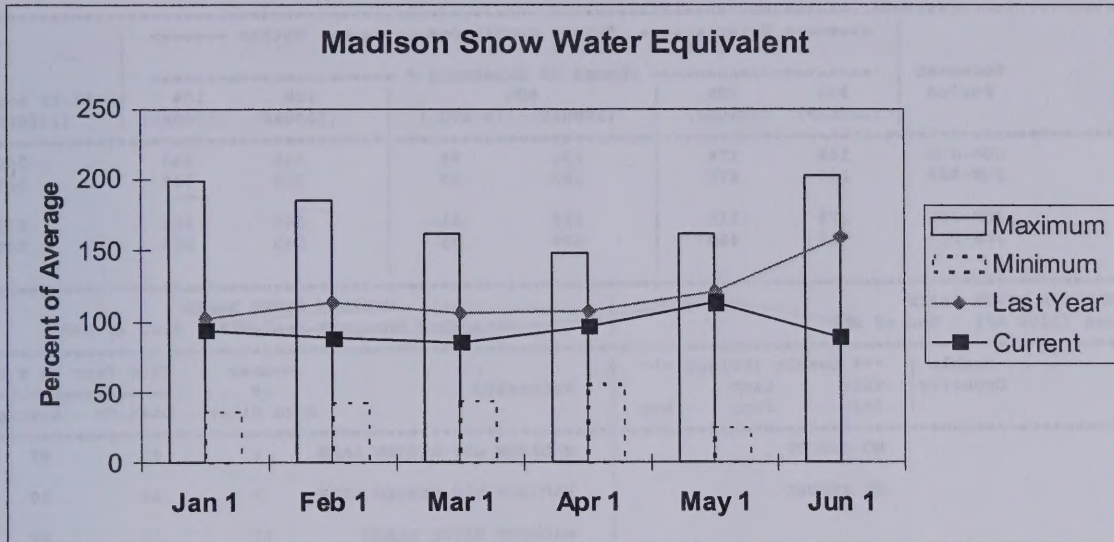
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
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- (3) - Median value used in place of average.

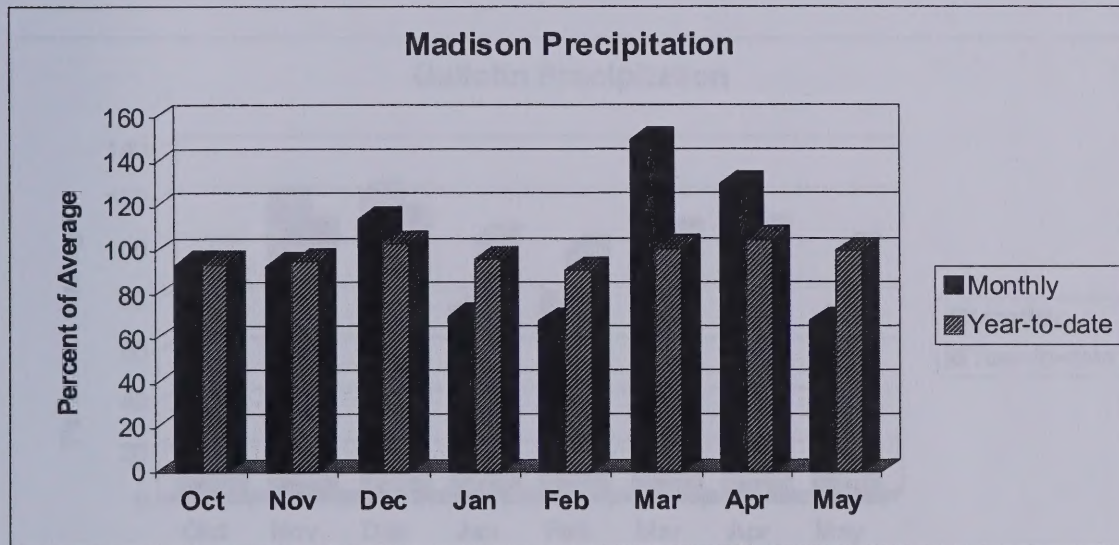
Madison River Basin

Snowpack conditions in the Madison River Basin were below. Snow water content was 89 percent of average and 56 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1997 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 1977; May maximum swe was in 1997 and minimum swe was in 1977; and June maximum swe was in 1995 and minimum in 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during May was 68 percent of average and 54 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 100 percent of average and 87 percent of last year.



Ennis Lake storage was not available and Hebgen Lake storage was not available.

For streamflow snowmelt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was not available for the Madison River.

MADISON RIVER BASIN
Streamflow Forecasts - June 1, 2009

		<<----- Drier ----- Future Conditions ----- Wetter ----->>						
Forecast Point	Forecast Period	Chance Of Exceeding *					30-Yr Avg. (1000AF)	
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)		10% (1000AF)
HEBGEN Reservoir Inflow	JUN-JUL	148	174	191	96	210	235	200
	JUN-SEP	245	275	295	95	315	345	310
ENNIS Reservoir Inflow (2)	JUN-JUL	275	315	340	91	365	405	375
	JUN-SEP	415	465	500	93	535	585	540

MADISON RIVER BASIN Reservoir Storage (1000 AF) - End of May					MADISON RIVER BASIN Watershed Snowpack Analysis - June 1, 2009			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
ENNIS LAKE		NO REPORT			MADISON abv HEBGEN LAKE	4	42	87
HEBGEN LAKE		NO REPORT			MADISON blw HEBGEN LAKE	7	64	90
					MADISON RIVER BASIN	11	56	89

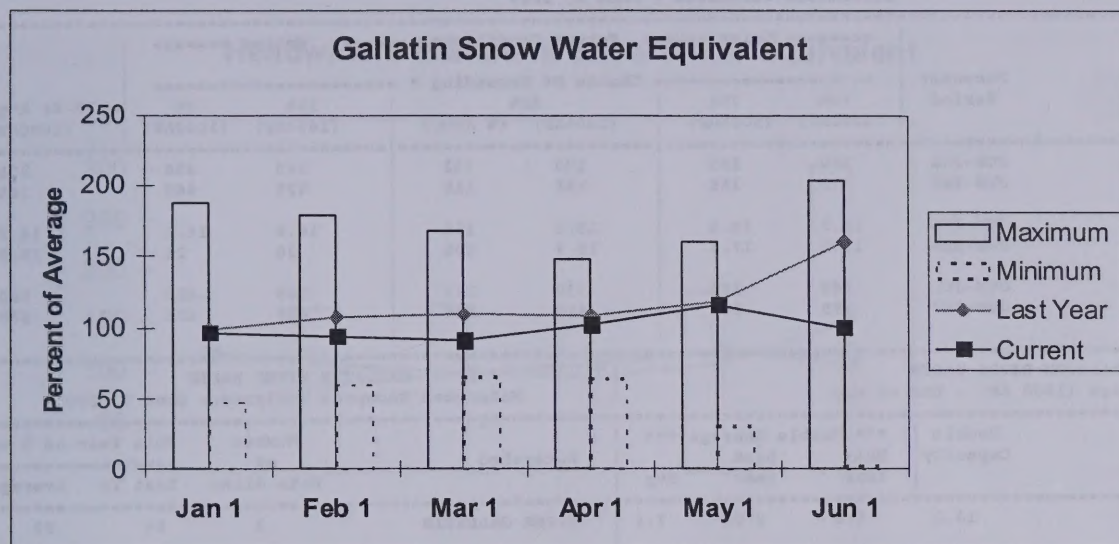
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The average is computed for the 1971-2000 base period.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.
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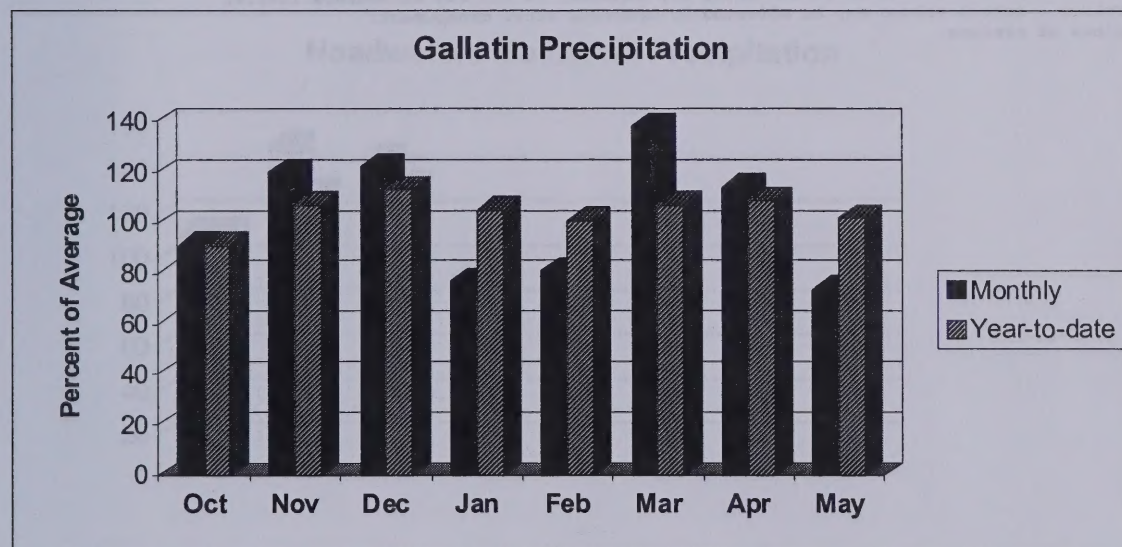
Gallatin River Basin

Snowpack conditions in the Gallatin River Basin were average. Snow water content was 100 percent of average and 63 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1966; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1997 and minimum was in 1977 and 2005; April maximum swe was in 1997 and minimum was in 2001; May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1975 and minimum in 2001. Average is for the period 1971 through 2000.

Mountain precipitation during May was 75 percent of average and 61 percent of last year. Valley precipitation during May was 53 percent of average and 47 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 102 percent of average and 93 percent of last year.



Middle Creek storage was 113 percent of average and 96 percent of last year.

For streamflow snowmelt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was +2.1 for the Gallatin River.

GALLATIN RIVER BASIN
Streamflow Forecasts - June 1, 2009

		<----- Drier ----- Future Conditions ----- Wetter ----->						
Forecast Point	Forecast Period	Chance Of Exceeding *						30-Yr Avg. (1000AF)
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
GALLATIN RIVER nr Gateway	JUN-JUL	260	295	320	112	345	380	285
	JUN-SEP	325	365	395	110	425	465	360
HYALITE RESERVOIR Inflow	JUN-JUL	13.1	14.6	15.6	105	16.6	18.1	14.9
	JUN-SEP	15.7	17.6	18.9	105	20	22	18.0
GALLATIN RIVER at Logan (2)	JUN-JUL	240	295	330	118	365	420	280
	JUN-SEP	295	365	410	114	455	525	360

GALLATIN RIVER BASIN
Reservoir Storage (1000 AF) - End of May

Reservoir	Usable Capacity	*** Usable Storage ***		
		This Year	Last Year	Avg
MIDDLE CREEK	10.2	8.6	9.0	7.6

GALLATIN RIVER BASIN
Watershed Snowpack Analysis - June 1, 2009

Watershed	Number of Data Sites	This Year as % of	
		Last Yr	Average
UPPER GALLATIN	3	64	92
HYALITE	2	63	117
BRIDGER	2	52	104
GALLATIN RIVER BASIN	7	63	100

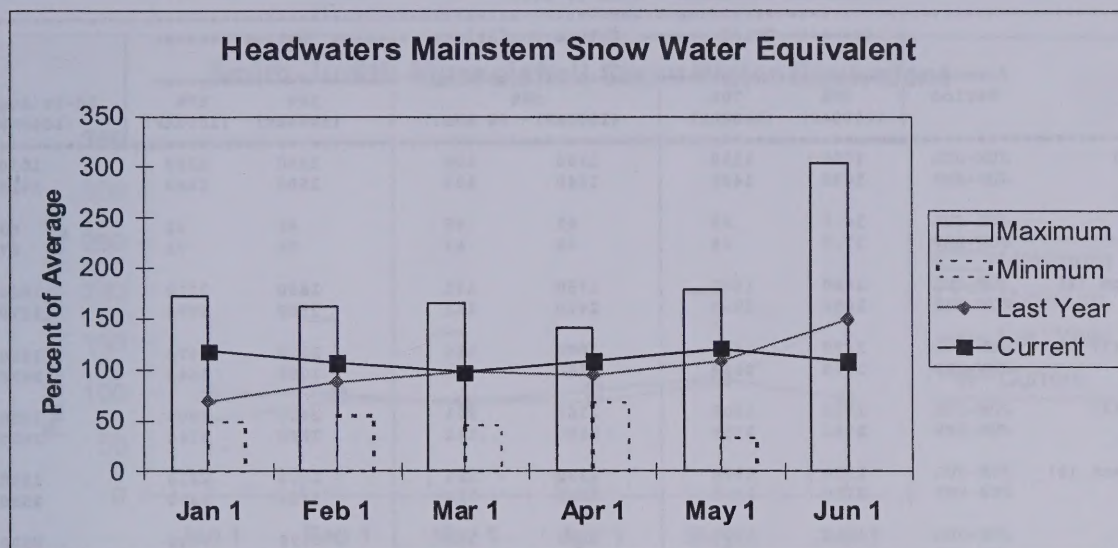
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The average is computed for the 1971-2000 base period.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.
- (3) - Median value used in place of average.

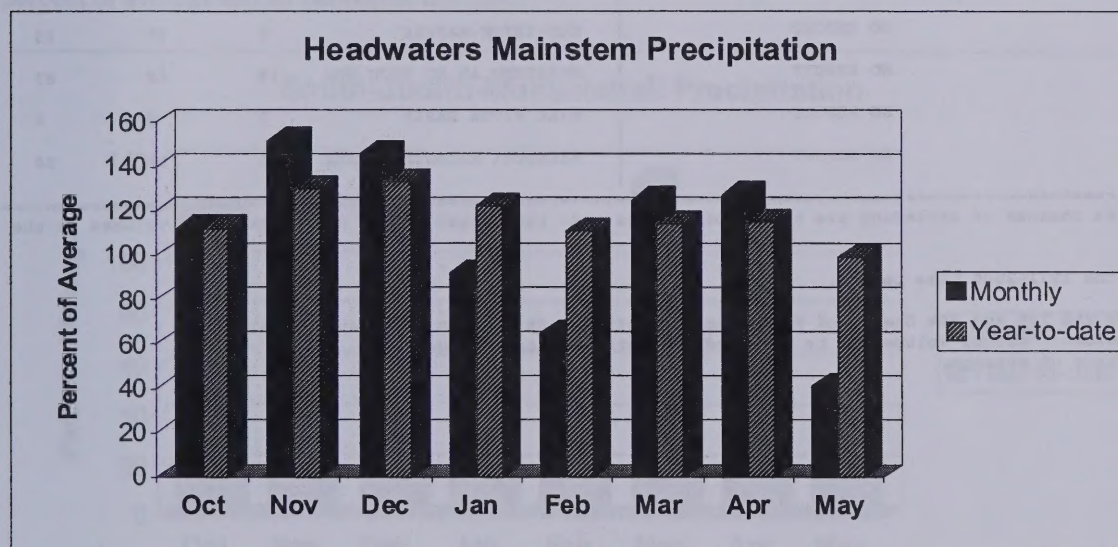
Missouri Mainstem River Basin

Snowpack conditions in the Headwaters Missouri Mainstem River Basin were slightly above average. Snow water content was 108 percent of average and 72 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1977; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum swe was in 1961, 1966, and 2005; May maximum swe was in 1975 and minimum swe was in 1977; and June maximum swe was in 1975 and minimum swe was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during May was 48 percent of average and 38 percent of last year. Valley precipitation during May was 37 percent of average and 24 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 99 percent of average and 100 percent of last year.



Canyon Ferry Lake storage was 102 percent of average and 100 percent of last year; Helena Valley storage was 100 percent of average and 86 percent of last year; Lake Helena storage was 75 percent of average and 103 percent of last year; Hauser & Helena storage was 117 percent of average and 101 percent of last year; Holter Lake storage was 101 percent of average and 111 percent of last year; and Fort Peck Lake storage was 73 percent of average and 124 percent of last year.

For streamflow snowmelt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was +0.6 in the Missouri River above Canyon Ferry; +0.7 in the Missouri River below Canyon Ferry; not available in the Missouri River above Fort Peck; and -2.0 in the Missouri River below Fort Peck.

MISSOURI MAINSTEM RIVER BASIN
Streamflow Forecasts - June 1, 2009

		<<----- Drier ----- Future Conditions ----- Wetter ----->>						
Forecast Point	Forecast Period	Chance Of Exceeding *						30-Yr Avg. (1000AF)
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
MISSOURI RIVER at Toston (2)	JUN-JUL	1090	1130	1180	108	1230	1280	1090
	JUN-SEP	1420	1480	1540	109	1600	1660	1420
DEARBORN nr Craig	JUN-JUL	14.0	28	41	65	48	62	63
	JUN-SEP	17.9	34	45	67	56	72	67
MISSOURI RIVER at Fort Benton (2)	JUN-JUL	1490	1640	1750	111	1860	2010	1580
	JUN-SEP	2050	2260	2410	111	2560	2770	2170
MISSOURI RIVER at Virgelle (2)	JUN-JUL	1470	1830	2070	114	2310	2670	1820
	JUN-SEP	1970	2440	2760	114	3080	3540	2430
MISSOURI RIVER nr Landusky (2)	JUN-JUL	1520	1900	2160	111	2420	2800	1950
	JUN-SEP	2040	2550	2900	111	3250	3760	2610
MISSOURI RIVER below Fort Peck (2)	JUN-JUL	1630	1990	2230	114	2470	2830	1960
	JUN-SEP	2130	2590	2910	114	3230	3690	2550
LAKE SAKAKAWEA Inflow (2)	JUN-JUL	4230	5100	5920	102	6690	7540	5800
	JUN-SEP	5320	6390	7350	102	8310	9380	7240

MISSOURI MAINSTEM RIVER BASIN Reservoir Storage (1000 AF) - End of May					MISSOURI MAINSTEM RIVER BASIN Watershed Snowpack Analysis - June 1, 2009		
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of Last Yr Average
		This Year	Last Year	Avg			
CANYON FERRY LAKE		NO REPORT			HEADWATERS MAINSTEM	5	72
HELENA VALLEY	9.2	7.7	9.0	7.7	SMITH-JUDITH-MUSSELSHELL	9	54
LAKE HELENA		NO REPORT			SUN-TETON-MARIAS	6	35
HAUSER & HELENA		NO REPORT			MAINSTEM ab FT PECK RES	19	48
HOLTER LAKE		NO REPORT			MILK RIVER BASIN	3	0
FORT PECK LAKE		NO REPORT			MISSOURI MAINSTEM BASIN	21	55

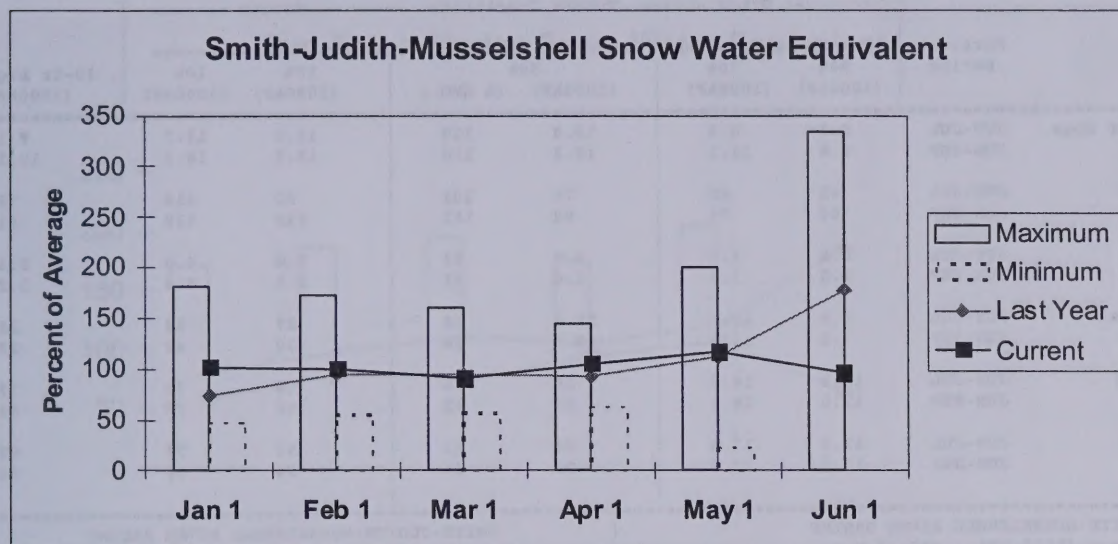
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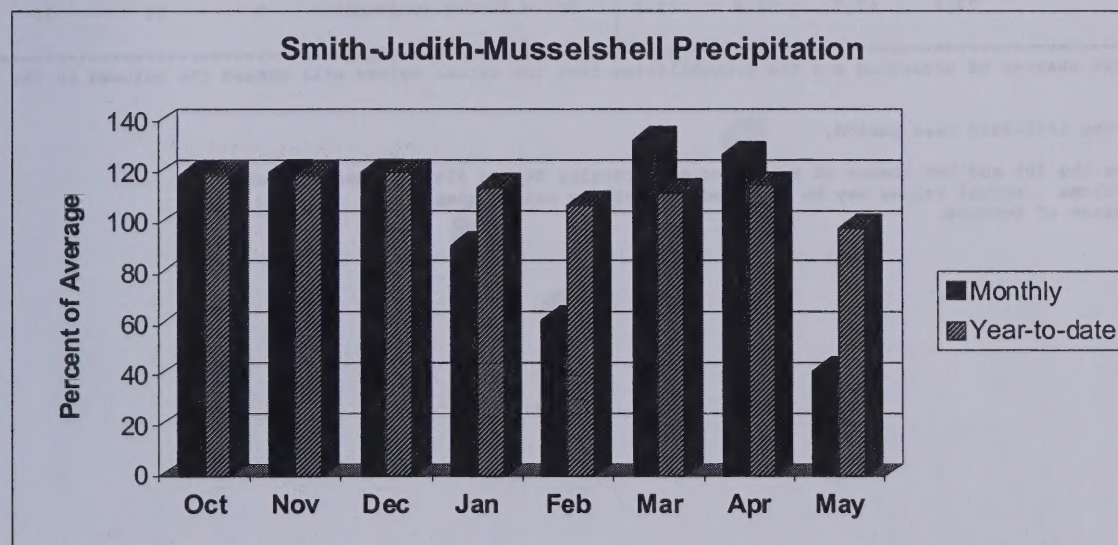
Smith-Judith-Musselshell River Basins

Snowpack conditions in the Smith-Judith-Musselshell River Basins were near average. Snow water content in the Smith was 110 percent of average and 62 percent of last year, Judith was 91 percent of average and 57 percent of last year, and the Musselshell was melted out.



January maximum swe was established in 1997 and minimum swe in 1988; February maximum swe was in 1978 and minimum swe was in 1987; March maximum swe was in 1978 and minimum swe was in 1987 and 2005; April maximum swe was in 1970 and minimum swe was in 1992; and May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1967 and minimum swe was in 1987, 1992, 1994, and 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during May in the Smith-Belts was 45 percent of average and 30 percent of last year; in the Judith was 45 percent of average and 26 percent of last year; and in the Musselshell was 28 percent of average and 13 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 98 percent of average and 89 percent of last year.



Smith River storage was 114 percent of average and 138 percent of last year; Ackley Lake storage was 78 percent of average and 106 percent of last year; Bair storage was 81 percent of average and 192 percent of last year; Martinsdale storage was 126 percent of average and 587 percent of last year; and Deadman's Basin was 111 percent of average and 197 percent of last year.

For streamflow snowmelt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was +0.6 in the Smith River; -0.2 in the Upper Judith River; and +1.1 in the Musselshell River.

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Streamflow Forecasts - June 1, 2009

		<<----- Drier ----- Future Conditions ----- Wetter ----->>						
Forecast Point	Forecast Period	Chance Of Exceeding *						30-Yr Avg (1000AF)
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
SHEEP CREEK nr White Sulphur Spgs.	JUN-JUL	6.3	8.5	10.0	110	11.5	13.7	9.1
	JUN-SEP	8.4	11.3	13.3	110	15.3	18.2	12.1
SMITH RIVER blw Eagle Creek	JUN-JUL	42	62	76	101	90	110	75
	JUN-SEP	46	74	92	101	110	138	91
NF MUSSELSHELL nr Delpine	JUN-JUL	0.8	1.1	2.0	86	3.4	5.0	2.3
	JUN-SEP	1.0	1.9	2.6	81	3.9	5.3	3.2
SF MUSSELSHELL abv Martinsdale	JUN-JUL	6.8	12.0	17.0	68	27	38	25
	JUN-SEP	7.6	13.9	19.1	66	30	42	29
MUSSELSHELL at Harlowton (2)	JUN-JUL	11.2	14.2	28	76	50	76	37
	JUN-SEP	12.0	16.1	30	73	52	78	41
MUSSELSHELL nr Roundup (2)	JUN-JUL	12.0	17.8	30	64	52	77	47
	JUN-SEP	12.8	19.8	32	64	54	79	50

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Reservoir Storage (1000 AF) - End of May

Reservoir	Usable Capacity	*** Usable Storage ***		
		This Year	Last Year	Avg
SMITH RIVER	10.6	11.6	8.4	10.2
ACKLEY LAKE	7.0	3.8	3.6	4.9
BAIR	7.0	4.8	2.5	5.9
MARTINSDALE	23.1	22.9	3.9	18.2
DEADMAN'S BASIN	72.2	63.9	32.4	57.6

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Watershed Snowpack Analysis - June 1, 2009

Watershed	Number of Data Sites	This Year as % of	
		Last Yr	Average
SMITH	6	62	110
HIGHWOOD	0	0	0
JUDITH	4	57	91
MUSSELSHELL	2	0	0
SMITH-JUDITH-MUSSELSHELL	9	54	96

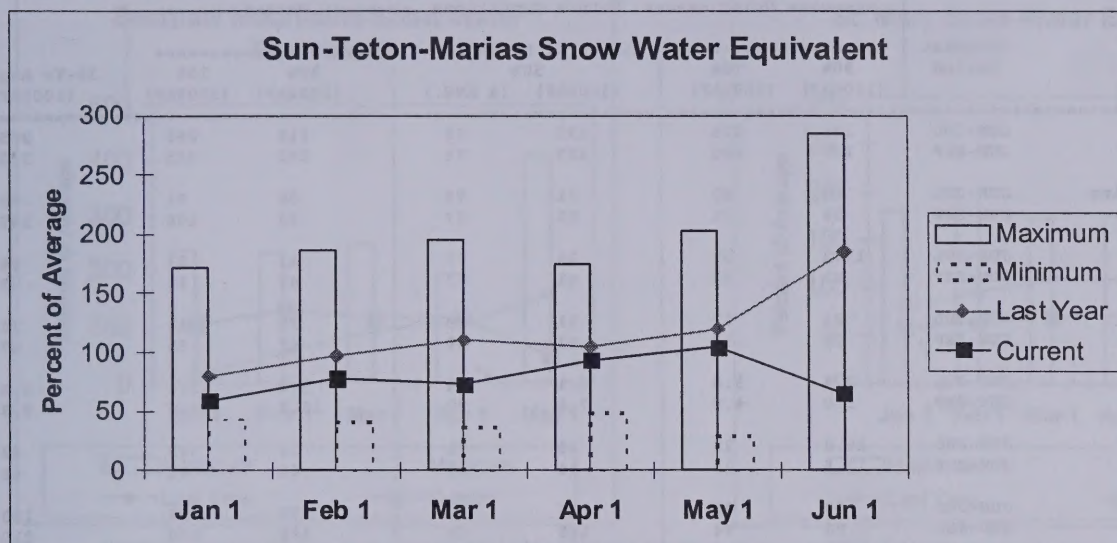
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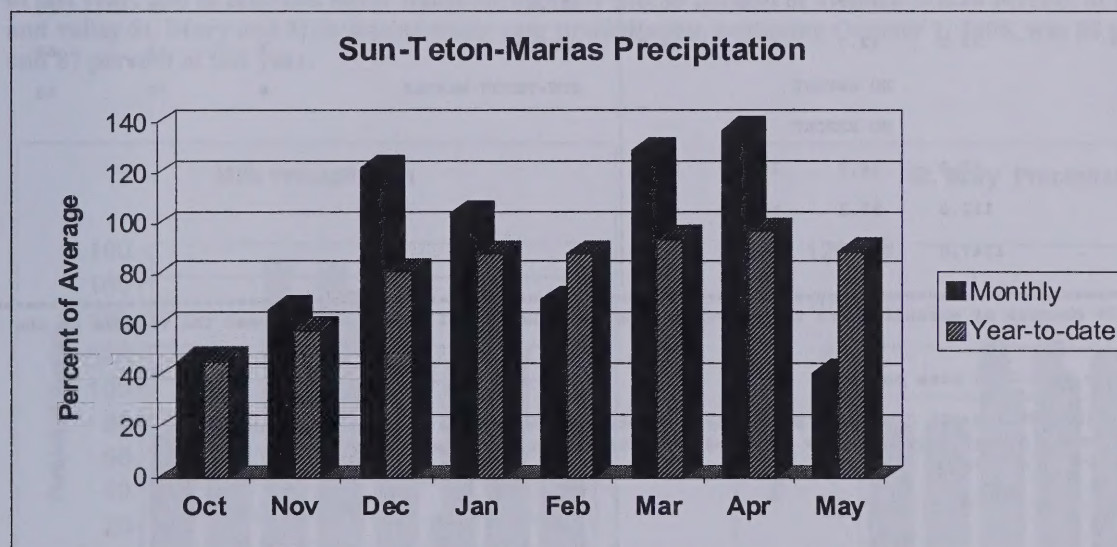
Sun-Teton-Marias River Basins

Snowpack conditions in the Sun-Teton-Marias River Basins were well below. Snow water content in the Sun was 55 percent of average and 39 percent of last year; Teton was 55 percent of average and 39 percent of last year; and Marias was 68 percent of average and 34 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 2001; March maximum swe was in 1972 and minimum swe was in 2005; April maximum swe was in 1972 and minimum swe was in 2005; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum was in 1972 and minimum swe was in 1987, 1992, and 1998. Average is for the period 1971 through 2000.

Mountain and valley precipitation during May in the Sun was 35 percent of average and 16 percent of last year; in the Teton was 46 percent of average and 20 percent of last year; and in the Marias was 39 percent of average and 17 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 89 percent of average and 73 percent of last year.



Gibson storage was 95 percent of average and 101 percent of last year; Pishkun storage was 102 percent of average and 100 percent of last year; Willow Creek storage was 117 percent of average and 104 percent of last year; Lower Two Medicine Lake storage was not available; Four Horns Lake storage was not available; Swift storage was 61 percent of average and 47 percent of last year; Lake Frances storage was 111 percent of average and 280 percent of last year; and Lake Elwell (Tiber) storage was 109 percent of average and 99 percent of last year.

For streamflow snowmelt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was -0.4 in the Sun River; +0.5 in the Teton River; -0.3 in the Birch/Dupuyer Creeks; and not available in the Marias River above Tiber and not available in the Marias below Tiber.

SUN-TETON-MARIAS RIVER BASINS
Streamflow Forecasts - June 1, 2009

Forecast Point	Forecast Period	<----- Drier ----- Future Conditions ----- Wetter ----->						30-Yr Avg. (1000AF)
		Chance Of Exceeding *						
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
GIBSON Reservoir Inflow	JUN-JUL	138	170	192	75	215	245	255
	JUN-SEP	167	200	225	74	250	285	305
TWO MEDICINE RIVER nr Browning	JUN-JUL	48	62	71	75	80	94	95
	JUN-SEP	56	71	82	77	93	108	107
BADGER CREEK nr Browning	JUN-JUL	17.2	27	34	77	41	51	44
	JUN-SEP	21	33	41	77	49	61	53
SWIFT RESERVOIR Inflow	JUN-JUL	21	27	31	89	35	41	35
	JUN-SEP	29	37	42	89	47	55	47
DUPUYER CREEK nr Valier	JUN-JUL	2.4	3.0	6.1	94	9.2	13.6	6.5
	JUN-SEP	3.0	4.0	7.6	92	11.2	16.6	8.3
CUT BANK CREEK nr Browning	JUN-JUL	16.8	25	30	71	35	43	42
	JUN-SEP	19.5	28	34	69	40	48	49
MARIAS RIVER nr Shelby (2)	JUN-JUL	50	82	126	69	170	235	183
	JUN-SEP	58	94	145	69	196	270	210
TETON nr Dutton	JUN-JUL	9.6	11.4	24	89	37	55	27
	JUN-SEP	12.0	14.9	30	86	45	67	35

SUN-TETON-MARIAS RIVER BASINS					SUN-TETON-MARIAS RIVER BASINS			
Reservoir Storage (1000 AF) - End of May					Watershed Snowpack Analysis - June 1, 2009			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
GIBSON		NO REPORT			SUN	2	39	55
PISHKUN	32.0	30.9	30.8	30.3	TETON	3	39	55
WILLOW CREEK	32.2	32.7	31.5	28.0	MARIAS	3	34	68
LOWER TWO MEDICINE LAKE		NO REPORT			SUN-TETON-MARIAS	6	35	65
FOUR HORNS LAKE		NO REPORT						
SWIFT	30.0	14.3	30.3	23.5				
LAKE FRANCES	112.0	93.3	33.3	83.9				
LAKE ELWELL (TIBER)	1347.0	802.5	810.5	737.7				

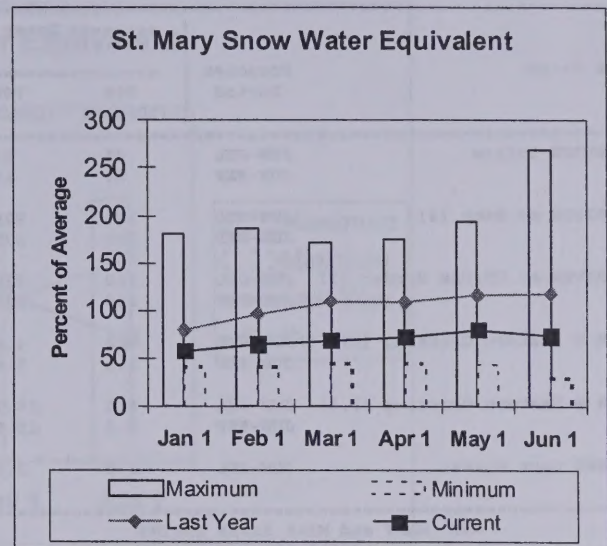
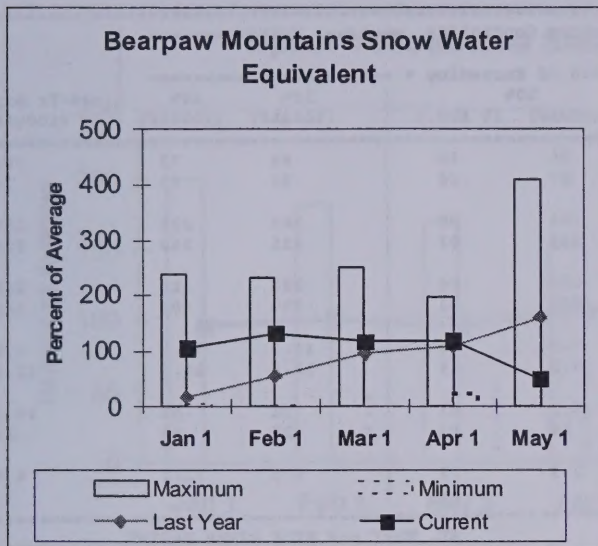
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St. Mary and Milk River Basins

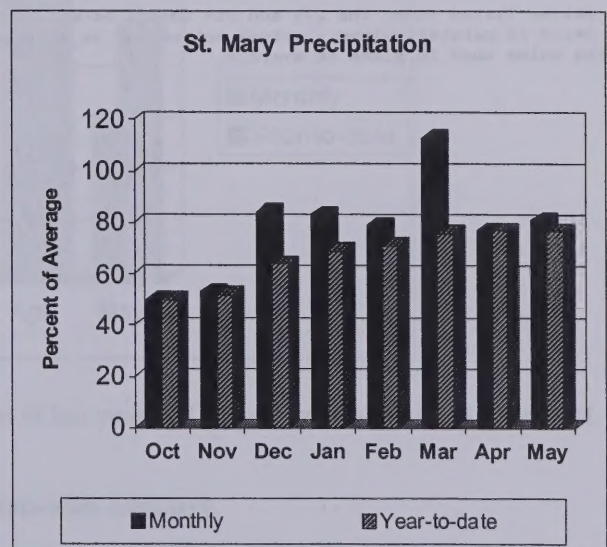
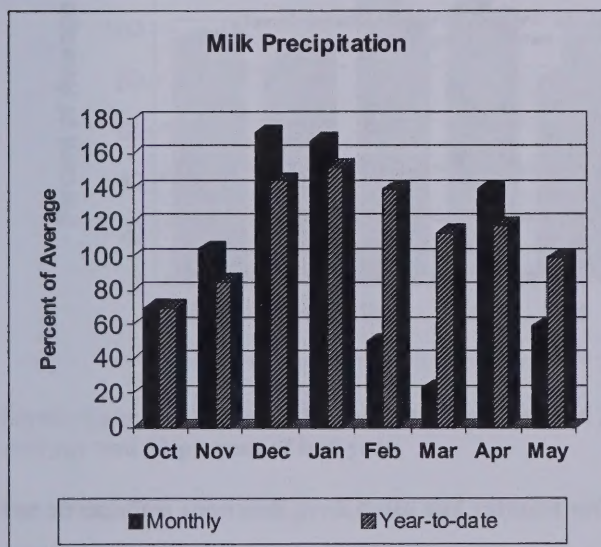
Snowpack conditions in the St. Mary were below average. Snow water content was 74 percent of average and 62 percent of last year. There was not any snow remaining on SNOTEL or snow courses in the Milk.



Bearpaw - January maximum swe was established in 1978 and minimum swe was in 1981; February maximum swe was 1978 and minimum was in 1973; March maximum swe was 1978 and minimum swe was 2005; April maximum swe was in 1985 and minimum swe was in 1973, 1983, and 1986; May maximum swe was 1975 and the minimum, 0.0, has occurred in several years. Average is for the period 1971 through 2000.

St. Mary - January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 2001; March maximum swe was in 1972 and minimum swe was in 2005; April maximum swe was in 1967 and 1972 and minimum swe was in 2005; May maximum swe was in 19972 and minimum swe was in 1977; and June maximum swe was in 1972 and minimum swe was 1992. Average is for the period 1971 through 2000.

Mountain and valley precipitation in the St. Mary River Basin during May was 81 percent of average and 61 percent of last year; and in the Milk River Basin during May was 59 percent of average and 35 percent of last year. Mountain and valley St. Mary and Milk Basins water year precipitation, beginning October 1, 2008, was 88 percent of average and 87 percent of last year.



Lake Sherburne storage was 105 percent of average and 122 percent of last year; Fresno storage was 109 percent of average and 151 percent of last year; Beaver Creek storage was not available; and Nelson storage was 143 percent of average and 186 percent of last year.

For streamflow snowmelt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was -1.0 for the St. Mary River and +0.9 for the Milk River.

ST. MARY and MILK RIVER BASINS
Streamflow Forecasts - June 1, 2009

		<<----- Drier ----- Future Conditions ----- Wetter ----->>						
Forecast Point	Forecast Period	----- Chance Of Exceeding * -----						30-Yr Avg (1000AF)
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
=====								
LAKE SHERBURNE Inflow	JUN-JUL	46	54	54	89	64	72	61
	JUN-SEP	60	69	67	86	81	90	78
ST. MARY RIVER nr Babb (2)	JUN-JUL	194	225	225	90	265	295	250
	JUN-SEP	240	275	285	91	325	360	315
ST. MARY RIVER at US/CAN Border (2)	JUN-JUL	180	220	250	94	280	320	265
	JUN-SEP	240	290	320	93	350	400	345
MILK RIVER @ Western Crossing (3)	JUN-JUL	3.2	4.8	7.9	83	11.0	15.5	9.5
	JUN-SEP	3.8	5.4	9.5	84	13.6	19.6	11.3
MILK RIVER @ Eastern Crossing (2,3)	JUN-JUL	6.5	10.7	16.2	83	31	51	19.5
	JUN-SEP	9.6	15.0	24	83	39	61	29
BEAVER CREEK near Havre	JUN-JUL	1.2	2.1	2.9	73	6.3	11.2	4.0

ST. MARY and MILK RIVER BASINS
Reservoir Storage (1000 AF) - End of May

ST. MARY and MILK RIVER BASINS
Watershed Snowpack Analysis - June 1, 2009

Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
LAKE SHERBURNE	64.3	36.2	29.6	34.6	ST. MARY	2	62	74
FRESNO		NO REPORT			BEARPAW MOUNTAINS	3	0	0
BEAVER CREEK		NO REPORT			CYPRESS HILLS, CANADA	0	0	0
NELSON	66.8	58.2	31.3	40.6	MILK RIVER BASIN	3	0	0
					ST. MARY & MILK BASINS	5	62	73

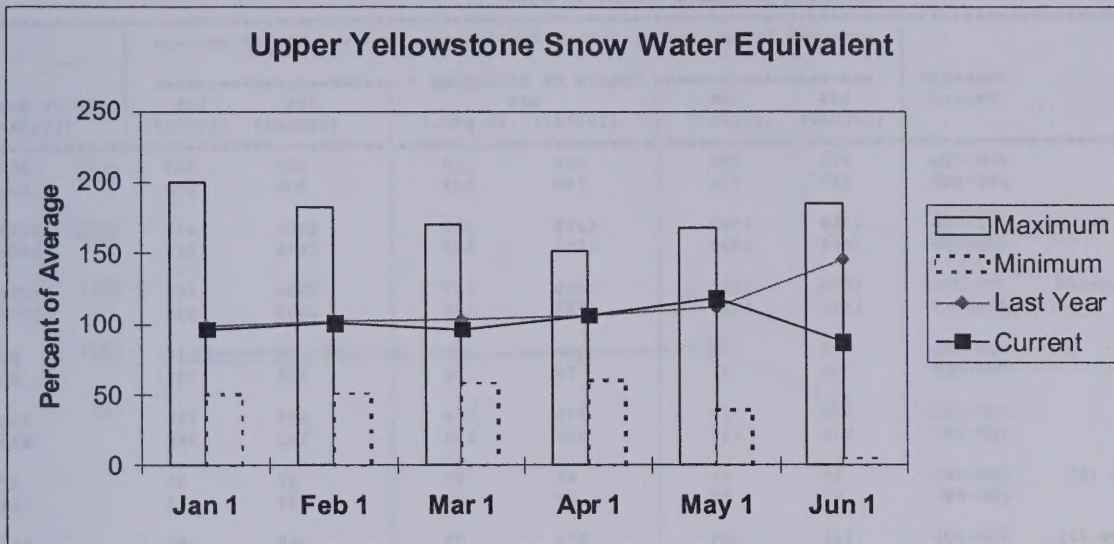
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.
- (3) - Median value used in place of average.

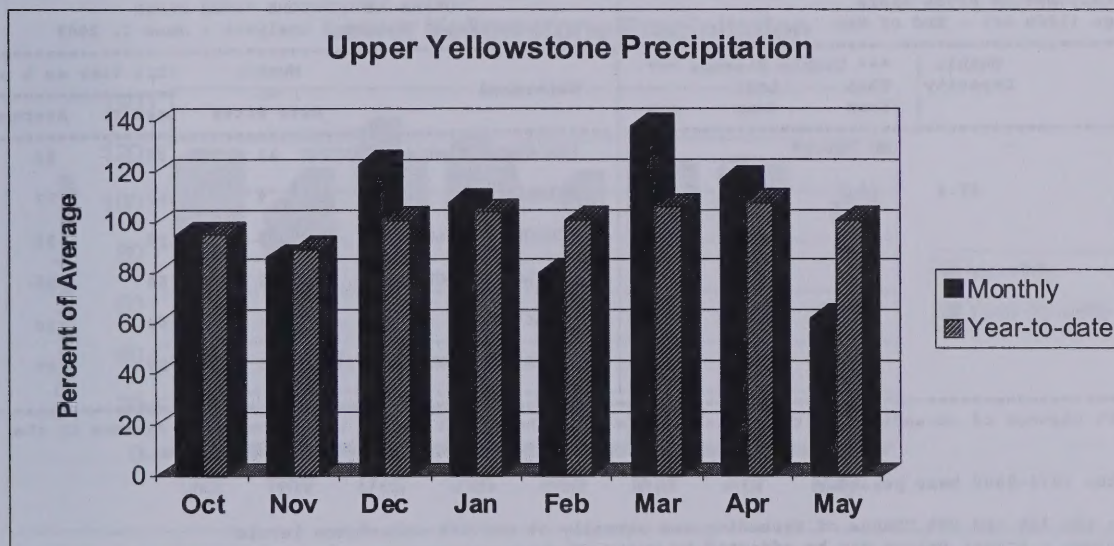
Upper Yellowstone River Basin

Snowpack conditions in the Upper Yellowstone River Basin were below average. Snow water content was 87 percent of average and 59 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1997 and minimum swe was in 2001; March maximum swe was in 1997 and minimum swe was in 2001; April maximum swe was in 1997 and minimum swe was in 2001; May maximum swe was in 1997 and minimum swe was in 1987; and June maximum swe was 1996 and minimum swe was in 2001. Average is for the period 1971 through 2000.

Mountain precipitation during May was 72 percent of average and 51 percent of last year. Valley precipitation during May was 26 percent of average and 13 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 101 percent of average and 90 percent of last year.



Mystic Lake storage was 111 percent of average and 300 percent of last year and Cooney storage was 115 percent of average and 93 percent of last year.

For streamflow snowmelt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was +1.6 in the Yellowstone River above Livingston; +1.9 in the Shields River; +3.4 in the Boulder River; +0.6 in the Stillwater River; +1.2 in the Rock/Red lodge Creeks; +1.5 in the Clarks Fork River; and +1.6 in the Yellowstone River above Bighorn River.

UPPER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - June 1, 2009

		<<===== Drier ===== Future Conditions ===== Wetter =====>>						
Forecast Point	Forecast Period	Chance Of Exceeding *						30-Yr Avg. (1000AF)
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
YELLOWSTONE at Lake Outlet	JUN-JUL	475	520	535	110	580	625	485
	JUN-SEP	650	715	760	109	805	870	695
YELLOWSTONE RIVER at Corwin Springs	JUN-JUL	1010	1140	1220	107	1300	1430	1140
	JUN-SEP	1260	1420	1530	105	1640	1800	1460
YELLOWSTONE RIVER near Livingston	JUN-JUL	1150	1300	1400	107	1500	1650	1310
	JUN-SEP	1430	1630	1760	104	1890	2090	1700
SHIELDS RIVER nr Livingston	JUN-JUL	25	43	64	93	85	115	69
	JUN-SEP	30	51	76	88	101	137	86
BOULDER RIVER at Big Timber	JUN-JUL	230	255	275	134	295	320	205
	JUN-SEP	250	280	305	133	330	360	230
MYSTIC LAKE Reservoir Inflow (2)	JUN-JUL	36	41	44	94	47	52	47
	JUN-SEP	49	56	60	94	64	71	64
STILLWATER RIVER nr Absarokee (2)	JUN-JUL	265	305	330	90	355	395	365
	JUN-SEP	320	375	410	89	445	500	460
CLARKS FORK RIVER nr Belfry	JUN-JUL	285	325	350	90	375	415	390
	JUN-SEP	310	360	395	89	430	480	445
COONEY RESERVOIR Inflow (2)	JUN-JUL	10.6	16.8	21	91	25	31	23
	JUN-SEP	18.4	26	31	91	36	44	34
YELLOWSTONE RIVER at Billings (2)	JUN-JUL	2120	2280	2480	104	2640	2810	2380
	JUN-SEP	2670	2870	3100	104	3320	3530	2990

UPPER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of May

UPPER YELLOWSTONE RIVER BASIN
Watershed Snowpack Analysis - June 1, 2009

Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
MYSTIC LAKE		NO REPORT			YELLOWSTONE ab LIVINGSTON	11	56	88
COONEY	27.4	24.7	26.7	21.5	SHIELDS	4	49	77
					BOULDER-STILLWATER	3	68	93
					RED LODGE-ROCK CREEK	2	64	85
					CLARK'S FORK	7	60	80
					UPPER YELLOWSTONE BASIN	23	59	87

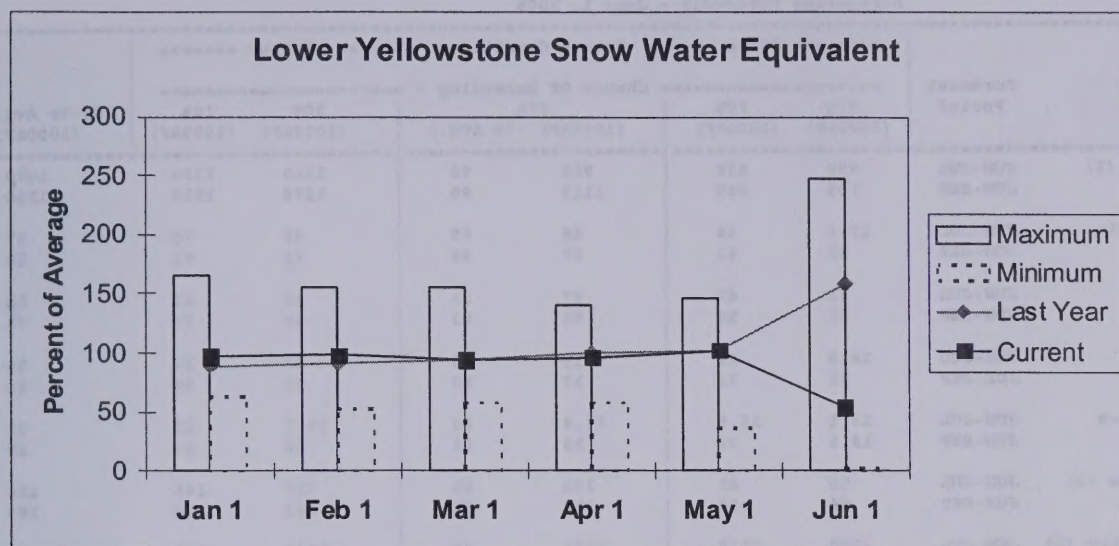
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.
- (3) - Median value used in place of average.

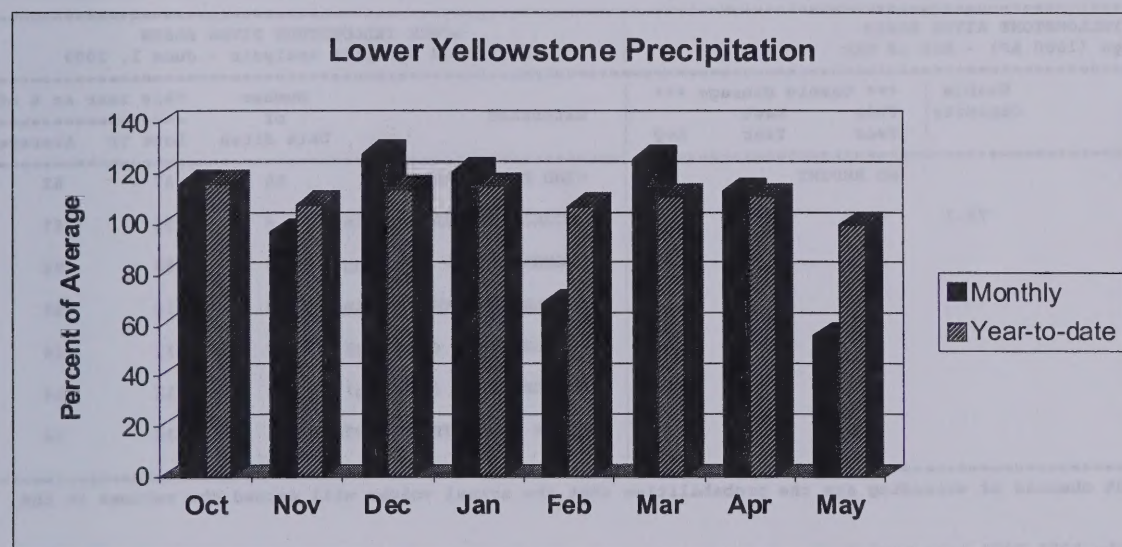
Lower Yellowstone River Basin

Snowpack conditions in the Lower Yellowstone River Basin were well below. Snow water content was 54 percent of average and 34 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 2000; February maximum swe was in 1997 and minimum swe was in 2001; March maximum swe was in 1986 and minimum swe was in 2001; April maximum swe was in 1986 and minimum swe was in 2001; May maximum swe was in 1997 and minimum swe was in 1981; and June maximum swe was in 1995 and minimum swe was in 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during May was 56 percent of average and 30 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 100 of average and 87 percent of last year.



Bighorn Lake storage was 103 percent of average and 98 percent of last year and Tongue River storage was 145 percent of average and 84 percent of last year.

For streamflow snowmelt peak dates and volumes refer to the state-wide summary.

Surface Water Supply Index (SWSI) was +1.3 in the Bighorn River below Bighorn Lake; -0.6 in the Little Bighorn River; +1.5 in the Yellowstone River below Bighorn River; +0.1 in the Tongue River; and +1.0 in the Powder River.

LOWER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - June 1, 2009

		<<----- Drier ----- Future Conditions ----- Wetter ----->>						
Forecast Point	Forecast Period	Chance Of Exceeding *						30-Yr Avg. (1000AF)
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
BIGHORN RIVER nr St. Xavier (2)	JUN-JUL	680	860	985	90	1110	1290	1090
	JUN-SEP	705	945	1110	90	1270	1510	1240
LITTLE BIGHORN RIVER nr Hardin	JUN-JUL	17.3	34	46	69	58	75	67
	JUN-SEP	23	43	57	69	71	91	83
TONGUE RIVER nr Dayton (2)	JUN-JUL	31	41	47	81	53	63	58
	JUN-SEP	39	50	58	82	66	77	71
BIG GOOSE CREEK nr Sheridan	JUN-JUL	18.8	24	28	80	32	37	35
	JUN-SEP	25	31	35	80	39	45	44
LITTLE GOOSE CREEK nr Big Horn	JUN-JUL	13.1	15.9	17.8	85	19.7	22	21
	JUN-SEP	18.5	22	25	86	28	31	29
TONGUE RIVER RESERVOIR Inflow (2)	JUN-JUL	56	83	101	80	119	146	126
	JUN-SEP	64	98	120	78	142	176	153
YELLOWSTONE RIVER at Miles City (2)	JUN-JUL	3100	3310	3530	98	3740	3960	3600
	JUN-SEP	3830	4090	4360	98	4630	4890	4450
POWDER RIVER at Moorehead	JUN-JUL	29	61	83	79	105	137	105
	JUN-SEP	36	75	102	80	129	168	128
POWDER RIVER nr Locate	JUN-JUL	20	63	92	79	121	164	116
	JUN-SEP	22	76	113	80	150	205	141
YELLOWSTONE RIVER nr Sidney (2)	JUN-JUL	2960	3210	3500	96	3800	4090	3650
	JUN-SEP	3600	3920	4300	96	4640	5000	4460

LOWER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of May

Reservoir	Usable Capacity	*** Usable Storage ***		
		This Year	Last Year	Avg
BIGHORN LAKE		NO REPORT		
TONGUE RIVER	79.1	69.5	82.6	48.0

LOWER YELLOWSTONE RIVER BASIN
Watershed Snowpack Analysis - June 1, 2009

Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
BIGHORN LAKE		NO REPORT			WIND RIVER (Wyoming)	12	37	52
TONGUE RIVER	79.1	69.5	82.6	48.0	SHOSHONE RIVER (Wyoming)	6	51	67
					BIGHORN RIVER (Wyoming)	16	38	56
					LITTLE BIGHORN (Wyoming)	2	38	59
					TONGUE RIVER (Wyoming)	7	11	26
					POWDER RIVER (Wyoming)	6	12	34
					LOWER YELLOWSTONE BASIN (	31	34	54

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.
- (3) - Median value used in place of average.



Federal Building, Room 443
10 E. Babcock
Bozeman, MT 59715



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Water Supply Outlook
Report
Natural Resources Conservation Service
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